

Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name	N4000-13 EP Prepreg
Synonyms	N4000-13 EP SI® Prepreg

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)	 Prepreg for consumer and industrial electronics.
Use(s) advised against	 Consumer goods in direct contact with food stuffs, potable water, or continuous skin contact

1.3 Details of the supplier of the safety data sheet

Manufacturer	<u>North America</u> AGC Multi Material America Inc.	<u>Asia</u> AGC Multi Material Singapore PTE, Ltd	<u>Europe</u> AGC Multi Material Europe S.A.
	1420 W. 12 th Place Tempe, AZ 85281 United States	4 Gul Crescent Jurong, Singapore 629520	Route des Usines, BP25 65303, Lannemezan, Cedex, France
	www.agc-multimaterial.com agc-ml.digital-po@agc.com		
1.4 Emergency telepho	one number		
	1-480-967-5600- (8AM - 5PM CST) M-F	+65 6861 7117 - Asia	+33-5-62-98-52-90- Europe (8AM-4PM M-F)

1-800-424-9300 -CHEMTREC (US and Canada only)

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

SF-105 Rev A

Format: EU CLP/REACH, EU DSD/DPD, WHMIS, and OSHA HCS 2012 Original GHS Format Preparation Date: 27/May/2015 Revision Date: 3/November/2021

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP Not Classified Not Classified DSD/DPD 2.2 Label Elements CLP No label element(s) required. Hazard statements DSD/DPD **Risk phrases** No label element(s) required. 2.3 Other Hazards CLP • This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance. DSD/DPD • Under European Directive 1999/45/EC these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

United States (US) According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS • Not Classified 2012 2.2 Label elements OSHA HCS 2012 Hazard • No label element(s) required. statements

2.3 Other hazards

• Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), these product(s) are exempt and considered manufactured article(s) under stated normal use conditions.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS • Not classified

2.2 Label elements

WHMIS • No label element(s) required

2.3 Other hazards

WHMIS • Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) – Hazardous Products Act (HPA), Section 11 (1)), these product(s) are exempt and considered manufactured article(s) under

stated normal conditions of use.

Section 3 - Composition/Information on Ingredients

3.1 Substances

• Material does not meet the criteria of a substance.

3.2 Mixtures

	Composition	
Chemical Name	Identifiers	%
	CAS:78-93-3	
2-Butanone	EC Number:201-159-0	<1%
	EU Index:606-002-00-3	
	CAS:68-12-2	
Formamide, N,N-dimethyl-	EC Number:200-679-5	<1%
	EU Index:616-001-00-X	
	CAS:67-64-1	
Acetone	EC Number:200-662-2	<1%
	EU Index:606-001-00-8	
Coloium aulfato. Aphydrouo	CAS:7778-18-9	<2%
Calcium sulfate, Anhydrous	EC Number:231-900-3	~2 70
D stared Enouge reasing missture	CAS:NA	200/ TO 600/
B-staged Epoxy resin mixture	EC Number:NA	30% TO 60%
Class svide shemicals	CAS:65997-17-3	20% TO 65%
Glass, oxide, chemicals	EC Number:266-046-0	30% TO 65%

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation
 First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move victim to fresh air. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention. Give artificial respiration if victim is not breathing.
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. In case of contact with substance, flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention.
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed

• Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5.1 Extinguishing media

Suitable Extinguishing Media	 LARGE FIRES: Water spray, fog or alcohol-resistant foam. SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.
Unsuitable Extinguishing Media	• Do not use straight streams.
5.2 Special hazards	arising from the substance or mixture
Unusual Fire and Explosion Hazards	 Hazardous polymerization will occur at elevated temperatures
Hazardous Combustion Products	Nitrous Oxides, Aldehydes, Carbon Monoxide, HBr, Various Acids.
5.3 Advice for firefig	hters

• Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special precautions are expected to be necessary if material is used under ordinary conditions and as recommended. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

• ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

• Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Containment/Clean-upAvoid generating dust.MeasuresCarefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Avoid contact with heat and ignition sources. Minimize dust generation and accumulation. Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe

dust. Avoid contact with skin, eyes or clothing. Avoid breathing fumes generated during processing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Keep away from heat, sparks and flame. Store in a well-ventilated place. Keep container tightly closed. Avoid generating dust. Store at 77°F or below.

7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

	Exposure Limits/Guidelines							
	Result	ACGIH	Australia	Brazil	Canada Alberta	Canada British Columbia		
Acetone	STELs	750 ppm STEL	1000 ppm STEL; 2375 mg/m3 STEL	Not established	750 ppm STEL; 1800 mg/m3 STEL	500 ppm STEL		
(67-64-1)	TWAs	500 ppm TWA	500 ppm TWA; 1185 mg/m3 TWA	780 ppm TWA LT; 1870 mg/m3 TWA LT	500 ppm TWA; 1200 mg/m3 TWA	250 ppm TWA		
Formamide, N,N- dimethyl- (68-12-2)	TWAs	10 ppm TWA	10 ppm TWA; 30 mg/m3 TWA	8 ppm TWA LT; 24 mg/m3 TWA LT	10 ppm TWA; 30 mg/m3 TWA	10 ppm TWA		
2-Butanone	STELs	300 ppm STEL	300 ppm STEL; 890 mg/m3 STEL	Not established	300 ppm STEL; 885 mg/m3 STEL	100 ppm STEL		
(78-93-3)	TWAs	200 ppm TWA	150 ppm TWA; 445 mg/m3 TWA	155 ppm TWA LT; 460 mg/m3 TWA LT	200 ppm TWA; 590 mg/m3 TWA	50 ppm TWA		
Calcium sulfate (7778-18-9)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA					
Glass, oxide, chemicals as Glass wool fiber	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber	0.5 fibre/mL TWA (listed under Synthetic mineral fibres) <i>as Glass wool fiber</i>	Not established	1 fiber/cm3 TWA as Glass wool fiber	1 fiber/cm3 TWA (respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4- mm objective], using phase- contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber		
		Expo	sure Limits/Guide		Canada Nava	Canada		
Result		Ilt Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut		
Acetone	STEL	s 750 ppm STEL	750 ppm STEL; 1782 mg/m3 STEL	2 1250 ppm STEL; 297 mg/m3 STEL	⁰ 750 ppm STEL	1250 ppm STEL; 2970 mg/m3 STEL		
(67-64-1)	TWAs	500 ppm TWA	500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2370 mg/m3 TWA) 500 ppm TWA	1000 ppm TWA; 2370 mg/m3 TWA		

Formamide, N,N- dimethyl-	TWAs	10 ppm TWA		10 ppm TWA; 30 mg/m3 TWA	10 ppm TWA	10 ppm TWA; 30 mg/m3 TWA	
(68-12-2)	STELs	Not established		20 ppm STEL; 60 mg/m3 STEL	Not established	20 ppm STEL; 60 mg/m3 STEL	
2-Butanone	STELs	300 ppm STEL		300 ppm STEL; 885 mg/m3 STEL	300 ppm STEL	300 ppm STEL; 885 mg/m3 STEL	
(78-93-3)	TWAs	200 ppm TWA		200 ppm TWA; 590 mg/m3 TWA	200 ppm TWA	200 ppm TWA; 590 mg/m3 TWA	
Calcium sulfate (777 18-9)	⁸⁻ TWAs						
Glass, oxide, chemicals as Glass TWA wool fiber		1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers)	(fibers >5 μ m with a diameter of <3 μ m, aspect ratio >5:1)	3 fiber/cm3 TWA (with a diameter of <=3.5 μm and a length >=10 μm); 5 mg/m3 TWA (total mass) as Glass wool fiber	1 fiber/cm3 TWA (respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400- 450X magnification [4-mm objective], using phase- contrast illumination, listed under Synthetic vitreous fibers)	3 fiber/cm3 TWA (with a diameter of <=3.5 μm and a length >=10 μm); 5 mg/m3 TWA (total mass) as Glass wool fiber	
		as Glass wool fiber			as Glass wool fiber		
		Expo	sure Limits/Guideli		Γ	Γ	
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China	
Acetone	STELs	750 ppm STEL	1000 ppm STEV; 2380 mg/m3 STEV	750 ppm STEL	1250 ppm STEL; 3000 mg/m3 STEL	450 mg/m3 STEL	
(67-64-1)	TWAs	500 ppm TWA	500 ppm TWAEV; 1190 mg/m3 TWAEV	500 ppm TWA	1000 ppm TWA; 2400 mg/m3 TWA	300 mg/m3 TWA	
Formamide, N,N- dimethyl-	STELs	Not established	Not established	15 ppm STEL	20 ppm STEL; 60 mg/m3 STEL	40 mg/m3 STEL	
(68-12-2)	TWAs	10 ppm TWA	10 ppm TWAEV; 30 mg/m3 TWAEV	10 ppm TWA	10 ppm TWA; 30 mg/m3 TWA	20 mg/m3 TWA	
2-Butanone	STELs	300 ppm STEL	100 ppm STEV; 300 mg/m3 STEV	300 ppm STEL	250 ppm STEL; 740 mg/m3 STEL	600 mg/m3 STEL	
(78-93-3)	TWAs	200 ppm TWA	50 ppm TWAEV; 150 mg/m3 TWAEV	200 ppm TWA	200 ppm TWA; 590 mg/m3 TWA	300 mg/m3 TWA	
Calcium sulfate (7778-18-9)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA; 5 mg/m3 TWA respirable	•			
Glass, oxide, chemicals as Glass TWAs wool fiber		1 fiber/cm3 TWA (respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers)	1 fibre/cm3 TWAEV (respirable, listed under Fibres-Artificial Vitreous Mineral Fibres) as Glass wool fiber	1 fiber/cm3 TWA (respirable fibers, listed under Synthetic vitreous fibers) as Glass wool fiber	30 mppcf TWA (dust or fiberous); 10 mg/m3 TWA (dust or fiberous) as Glass wool fiber	Not established	

		as Glass wool fiber				
		Expo	sure Limits/Guide	lines (Con't.)		
	Result	Czech Republic	Denmark	France	Germany DFG	Germany TRGS
Acetone	Ceilings	1500 mg/m3 Ceiling	Not established	Not established	1000 ppm Peak; 2400 mg/m3 Peak	Not established
	TWAs	800 mg/m3 TWA	250 ppm TWA; 600 mg/m3 TWA	500 ppm TWA [VME] (restrictive limit); 1210 mg/m3 TWA [VME] (restrictive limit)	Not established	500 ppm TWA AGW (exposure factor 2); 1200 mg/m3 TWA AGW (exposure factor 2)
(67-64-1)	STELs	Not established	Not established	1000 ppm STEL [VLCT] (restrictive limit); 2420 mg/m3 STEL [VLCT] (restrictive limit)	Not established	Not established
	MAKs	Not established	Not established	Not established	500 ppm TWA MAK; 1200 mg/m3 TWA MAK	Not established
	Ceilings	30 mg/m3 Ceiling	Not established	Not established	10 ppm Peak; 30 mg/m3 Peak	Not established
Formamide, N,N- dimethyl- (68-12-2)	TWAs	15 mg/m3 TWA	5 ppm TWA; 15 mg/m3 TWA	5 ppm TWA [VME] (restrictive limit); 15 mg/m3 TWA [VME] (restrictive limit)	Not established	5 ppm TWA AGW (The risk of damage to the embryo or fetus cannot be excluded even when AGW and BGW values are observed, exposure factor 2); 15 mg/m3 TWA AGW (The risk of damage to the embryo or fetus cannot be excluded even when AGW and BGW values are observed, exposure factor 2)
	STELs	Not established	Not established	30 mg/m3 STEL [VLCT] (restrictive limit); 10 ppm STEL [VLCT] (restrictive limit)	Not established	Not established
	MAKs	Not established	Not established	Not established	5 ppm TWA MAK; 15 mg/m3 TWA MAK	Not established
	Ceilings	900 mg/m3 Ceiling	Not established	Not established	200 ppm Peak; 600 mg/m3 Peak	Not established
2-Butanone (78-93-3)	TWAs	600 mg/m3 TWA	50 ppm TWA; 145 mg/m3 TWA	200 ppm TWA [VME] (restrictive limit); 600 mg/m3 TWA [VME] (restrictive limit)	Not established	200 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed,

						exposure factor 1); 600 mg/m3	
						TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 1)	
	STELs	Not established	Not established	300 ppm STEL [VLCT] (restrictive limit); 900 mg/m3 STEL [VLCT] (restrictive limit)		Not established	
	MAKs	Not established	Not established	Not established	200 ppm TWA MAK; 600 mg/r TWA MAK	n3 Not established	
Calcium sulfate (7778-18-9)	TWAs			10 mg/m3 TWA	1.5 mg/m3 MA mg/m3 TWA M		
Glass, oxide, chemicals as Glass wool fiber	TWAs	Not established	1 fiber/cm3 TWA as Glass wool fiber	Not established	Not established	Not established	
		Ехро	osure Limits/Guide	elines (Con't.)			
	Result	Greece	India	Israel	Italy	Japan	
Acetone	TWAs	1780 mg/m3 TWA	750 ppm TWA; 1780 mg/m3 TWA	500 ppm TWA	500 ppm TWA; 1210 mg/m3 TWA	200 ppm OEL; 470 mg/m3 OEL	
(67-64-1)	STELs	3560 mg/m3 STEL	1000 ppm STEL; 2375 mg/m3 STEL	750 ppm STEL	Not established	Not established	
Formamide,	TWAs	5 ppm TWA; 15 mg/m3 TWA	Not established	10 ppm TWA	5 ppm TWA; 15 mg/m3 TWA	10 ppm OEL; 30 mg/m3 OEL	
N,N-dimethyl- (68-12-2)	STELs	10 ppm STEL; 30 mg/m3 STEL	Not established	Not established	10 ppm STEL Breve termine; 30 mg/m3 STEL Breve termine	Not established	
	TWAs	200 ppm TWA; 600 mg/m3 TWA	200 ppm TWA; 590 mg/m3 TWA	200 ppm TWA	200 ppm TWA; 600 mg/m3 TWA	200 ppm OEL; 590 mg/m3 OEL	
2-Butanone (78-93-3)	STELs	300 ppm STEL; 900 mg/m3 STEL	300 ppm STEL; 885 mg/m3 STEL	300 ppm STEL	300 ppm STEL Breve termine; 900 mg/m3 STEL Breve termine	Not established	
Calcium sulfate (7778-18-9)	TWAs						
Glass, oxide, chemicals as Glass wool fiber	TWAs	Not established	Not established	1 fiber/cm3 TWA (respirable fibers: length >5 μm, aspect ratio >=3:1, except asbestiform minerals, listed under Synthetic vitreous fibers)	Not established	1 fiber/cm3 OEL as Glass wool fiber	
		Evo	ouro Limito/Guide	as Glass wool fiber			
Exposure Limits/Guidelines (Con't.)							
	Result	Korea	Malaysia	Netherlands	NIOSH	OSHA	

(67-64-1)			4); 1188 TWA (Serial 4)	mg/m3 TWA		590 m	g/m3 TWA	2400 mg/m3 TWA
	STELs	(Serial 1782 m	m STEL No. 354); ng/m3 STEL No. 354)	Not established	2420 mg/m3 STEL	Not es	tablished	Not established
Formamide, N,N- dimethyl-	TWAs	No. 07	n TWA (Serial 7); 30 mg/m3 Serial No. 077)	10 ppm TWA; 30 mg/m3 TWA	15 mg/m3 TWA		m TWA; 30 3 TWA	10 ppm TWA; 30 mg/m3 TWA
(68-12-2)	STELs	Not est	ablished	Not established	30 mg/m3 STEL	Not es	tablished	Not established
2-Butanone	TWAs	No. 22	m TWA (Serial 8); 590 mg/m3 Serial No. 228)	200 ppm TWA; 590 mg/m3 TWA	590 mg/m3 TWA		om TWA; g/m3 TWA	200 ppm TWA; 590 mg/m3 TWA
(78-93-3)	STELs	(Serial	m STEL No. 228); 885 STEL (Serial 8)	Not established	900 mg/m3 STEL		om STEL; g/m3 STEL	Not established
Calcium sulfate (7778-18-9)	TWAs	10 mg/m3 TWA		10 mg/m3 TWA		total d	3 TWA	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable.
Glass, oxide, chemicals	TWAs	10 mg/m3 TWA (Serial No. 007) as Glass wool fiber		1 fiber/cm3 TWA (respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers)	2 fibers/cm3 MAC- TGG as Glass wool fiber	(fibers in diar >= 10 length TWA (); 5 mg/m3	Not established
			Evno	as Glass wool fiber	lines (Con't)			
		Result		sure Limits/Guide	South Africa			Spain
		STELs		EL; 2380 mg/m3	1500 ppm STEL: 3560		Not established	
Acetone (67-64-1)	TWAs 750 ppm PEL		750 ppm PEL;	1780 mg/m3 PEL	750 ppm TWA; 1780 mg/m3 TWA		500 ppm TWA [VLA-ED] (indicative limit value); 1210 mg/m3 TWA [VLA-ED] (indicative limit value)	
Biological Limit Values (BLV)		Not establishe	d	Not established		50 mg/L urine end of shift Acetone (2)		
	TWAs 10 ppm PEL; 30 mg/m3 PEL 10 ppm TWA; 30 mg/m3 limit value		limit value);	VLA-ED] (indicative 15 mg/m3 TWA ndicative limit value)				
Formamide, N,N-o (68-12-2)	dimethyl-	STELs	Not establishe	d	20 ppm STEL; 60 mg/ STEL	/m3		EL [VLA-EC]; 30 EL [VLA-EC]
(00-12-2)		Biological Limit Values (BLV)	Not establishe	d	Not established		Methylform urine start o	ne end of shift N- amide (2); 40 mg/L of last shift of N-Acetyl-S-(N-

				methylcarbamoyl) cysteine (5,S)
	STELs	300 ppm STEL; 885 mg/m3 STEL	300 ppm STEL; 885 mg/m3 STEL	300 ppm STEL [VLA-EC]; 900 mg/m3 STEL [VLA-EC]
2-Butanone (78-93-3)	TWAs	200 ppm PEL; 590 mg/m3 PEL	200 ppm TWA; 590 mg/m3 TWA	200 ppm TWA [VLA-ED] (indicative limit value); 600 mg/m3 TWA [VLA-ED] (indicative limit value)
Calcium sulfate (7778-18- 9)	TWAs	10 mg/m3 TWA		10 mg/m3 TWA [VLA-ED]
Glass, oxide, chemicals	TWAs	10 mg/m3 PEL as Glass wool fiber	Not established	1 fiber/cm3 TWA [VLA-ED] (Fibers with a random orientation, with a content in Alkaline and Alkali-earth oxide [Na2O+K2O+CaO+MgO+BaO] above 18% in weight; manufacturing, commercialization, and use restrictions under REACH. Respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber

Exposure Control Notations

China

•Formamide, N,N-dimethyl- (68-12-2): Skin: (Skin notation)

Czech Republic

•Formamide, N,N-dimethyl- (68-12-2): Skin: (Potential for cutaneous absorption)

Denmark

•Formamide, N,N-dimethyl- (68-12-2): Skin Notations: (Potential for cutaneous absorption)

•2-Butanone (78-93-3): Skin Notations: (Potential for cutaneous absorption)

Greece

•Formamide, N,N-dimethyl- (68-12-2): Skin: (skin - potential for cutaneous absorption)

Italy

•Formamide, N,N-dimethyl- (68-12-2): Skin: (skin - potential for cutaneous absorption)

Netherlands

•Formamide, N,N-dimethyl- (68-12-2): Skin: (skin notation)

•2-Butanone (78-93-3): Skin: (skin notation)

Canada Ontario

•Formamide, N,N-dimethyl- (68-12-2): Skin: (Absorption through skin, eyes, or mucous membranes)

Canada Quebec

•Formamide, N,N-dimethyl- (68-12-2): Skin: (Skin designation)

France

•Formamide, N,N-dimethyl- (68-12-2): Reproductive Toxins: (Reproductive Toxin category 1B)

Spain

•Formamide, N,N-dimethyl- (68-12-2): **Reproductive Toxins:** (known or suspected human reproductive toxin with classification from animal data) | **Skin:** (skin - potential for cutaneous exposure)

ACGIH

•Formamide, N,N-dimethyl- (68-12-2): Carcinogens: (A4 - Not Classifiable as a Human Carcinogen) | Skin: (Skin - potential significant contribution to overall exposure by the cutaneous route)

•Acetone (67-64-1): Carcinogens: (A4 - Not Classifiable as a Human Carcinogen)

Germany TRGS

•Formamide, N,N-dimethyl- (68-12-2): Skin: (skin notation)

•2-Butanone (78-93-3): Skin: (skin notation)

Germany DFG

•Formamide, N,N-dimethyl- (68-12-2): Pregnancy: (risk to embryo/fetus probable) | Skin: (skin notation)

•Acetone (67-64-1): Pregnancy: (risk to embryo/fetus probable by exposure at exposure limit level)

•2-Butanone (78-93-3): Pregnancy: (no risk to embryo/fetus if exposure limits adhered to) | Skin: (skin notation)

Exposure Limits Supplemental

Czech Republic

•Formamide, N,N-dimethyl- (68-12-2): Substances with Potential Chronic Health Effects: (Potential chronic health effects) **OSHA**

N/A

ACGIH

•Formamide, N,N-dimethyl- (68-12-2): BEIs: (15 mg/L Medium: urine Time: end of shift Parameter: N-Methylformamide; 40 mg/L Medium: urine Time: prior to last shift of workweek Parameter: N-Acetyl-S-(N-methylcarbamoyl) cysteine (semi-quantitative)) | TLV Basis - Critical Effects: (liver damage) •Acetone (67-64-1): BEIs: (50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)) | TLV Basis - Critical Effects: (CNS impairment; eye and upper respiratory tract irritation; hematologic effects) | Notice of Intended Changes (BEIs): (25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)) | Notice of Intended Changes (TLVs): (250 ppm TWA; 500 ppm STEL; A4 - not classifiable as a human carcinogen; BEI; TLV basis: CNS impairment, eye and upper respiratory tract irritation)

•2-Butanone (78-93-3): BEIs: (2 mg/L Medium: urine Time: end of shift Parameter: MEK (nonspecific)) | TLV Basis - Critical Effects: (CNS and PNS impairment; upper respiratory tract irritation)

Germany TRGS

•Formamide, N,N-dimethyl- (68-12-2): BELs: (35 mg/L Medium: urine Time: end of shift Parameter: N,N-Methylformamide plus N-Hydroxymethyl-Nmethylformamide)

•Acetone (67-64-1): BELs: (80 mg/L Medium: urine Time: end of shift Parameter: Acetone)

•2-Butanone (78-93-3): BELs: (5 mg/L Medium: urine Time: end of shift Parameter: 2-Butanone)

8.2 Exposure controls

Engineering

 Good general ventilation should be used. Ventilation rates should be matched to conditions. If Measures/Controls applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory

 In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face Skin/Body

- Wear chemical splash safety goggles.
- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.
- Environmental • Controls should be engineered to prevent release to the environment, including procedures to **Exposure Controls** prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

BEI = Biological Exposure Indices

- MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
- NIOSH = National Institute of Occupational Safety and Health
- OSHA = Occupational Safety and Health Administration
- = Permissible Exposure Level determined by the Occupational PFI Safety and Health Administration (OSHA)
- STEL = Short Term Exposure Limits are based on 15-minute exposures
- STEV = Short Term Exposure Value
- = Threshold Limit Value determined by the American Conference of TIV
 - Governmental Industrial Hygienists (ACGIH)

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description				
Physical Form	Solid	Appearance/Description	Tan or light yellow semi-solid sheet with slight ketone odor	
Color	Tan or light yellow	Odor	Ketone	
Odor Threshold	Data lacking			
General Properties				
Boiling Point	Not relevant	Melting Point	Data lacking	
Decomposition Temperature	>200 C(392 F)	рН	Not relevant	
Specific Gravity/Relative Density	1.2 to 2.0	Water Solubility	Negligible < 0.1 %	
Viscosity	Data lacking	Explosive Properties	Data lacking	
Oxidizing Properties:	Data lacking			
Volatility				
Vapor Pressure	Not relevant	Vapor Density	Not relevant	
Evaporation Rate	Not relevant	VOC (Wt.)	<2%	
VOC (Vol.)	<2%	Volatiles (Wt.)	<2%	
Volatiles (Vol.)	<2%			
Flammability				
Flash Point	Not relevant	UEL	Data lacking	
LEL	Data lacking	Autoignition	Data lacking	
Flammability (solid, gas)	Data lacking			
Environmental				
Octanol/Water Partition coefficient	Data lacking			

9.2 Other Information

• No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

• No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

• Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

• Hazardous polymerization will occur at elevated temperatures.

10.4 Conditions to avoid

• Avoid exposure to excessive heat and flames, sparks, or other ignition sources.

10.5 Incompatible materials

• Strong acids, strong bases, strong oxidizers, amines.

10.6 Hazardous decomposition products

• Acrid vapors and fumes, aliphatic and aromatic hydrocarbons of variable composition, CO, CO2, NOx, HBr, HCN

Section 11 - Toxicological Information

11.1 Information on toxicological effects

		Components
Formamide, N,N- dimethyl- (<1%)	68-12-2	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2000 mg/kg; Inhalation-Rat LC50 • 1948 ppm 4 Hour(s); Skin-Rabbit LD50 • 4720 mg/kg; Irritation: Eye-Rabbit • 100 mg-Rinse • Severe irritation; Skin-Human • 100 % 24 Hour(s) • Mild irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 9 mL/kg 12 Week(s)-Intermittent; <i>Liver</i> :Hepatitis (hepatocellular necrosis), diffuse; <i>Liver</i> :Changes in liver weight; <i>Biochemical:Enzyme inhibition, induction, or</i> <i>change in blood or tissue levels</i> :Phosphatases; Mutagen: Cytogenetic analysis • Inhalation-Human • 12300 µg/m ³ 1 Year(s); Reproductive: Inhalation-Rat TCLo • 4 mg/m ³ 4 Hour(s)(1-19D preg); <i>Reproductive Effects:Effects on</i> <i>Fertility</i> :Pre-implantation mortality; <i>Reproductive Effects:Effects on Embryo or Fetus</i> :Fetotoxicity (except death, e.g., stunted fetus); <i>Reproductive Effects:Effects on Embryo or Fetus</i> :Fetal death; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 200 ppm 6 Hour(s) 104 Week(s)-Intermittent; <i>Liver</i> :Tumors; <i>Tumorigenic</i> :Neoplastic by RTECS criteria
2-Butanone (< 1%)	78-93-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2737 mg/kg; Inhalation-Rat LC50 • 23500 mg/m ³ 8 Hour(s); Inhalation-Human TCLo • 1000 mg/m ³ ; Sense Organs and Special Senses:Eye:Conjunctive irritation; Lungs, Thorax, or Respiration:Cough; Skin-Rabbit LD50 • 6480 mg/kg; Irritation: Eye-Human • 350 ppm; Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; Reproductive: Inhalation-Rat TCLo • 1000 ppm 7 Hour(s)(6-15D preg); Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system
Acetone (< 1%)	67-64-1	Acute Toxicity: Ingestion/Oral-Rat LD50 • 5800 mg/kg; <i>Behavioral</i> :Altered sleep time (including change in righting reflex); <i>Behavioral</i> :Tremor; Inhalation-Rat LC50 • 50100 mg/m ³ 8 Hour(s); Irritation: Eye-Rabbit • 20 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Mutagen: Sex chromosome loss & nondisjunction • Inhalation-Mouse • 12 g/L; Reproductive: Ingestion/Oral-Rat TDLo • 273 g/kg (13W male); <i>Reproductive Effects:Paternal</i> <i>Effects</i> :Spermatogenesis; Inhalation-Rat TCLo • 11000 ppm (6-19D preg); <i>Reproductive Effects:Specific</i> <i>Developmental Abnormalities</i> :Other developmental abnormalities
Glass, oxide, chemicals (30% TO 65%)	65997- 17-3	Multi-dose Toxicity: Inhalation-Rat TCLo • 16 mg/m ³ 6 Hour(s) 13 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration</i> :Other changes

Potential Health Effects

Inhalation

Acute (Immediate) • Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed) Skin	 No data available.
Acute (Immediate)	• May cause mild irritation.
Chronic (Delayed)	• No data available.
Eye	
Acute (Immediate)	 May cause mild eye irritation (dust).
Chronic (Delayed)	• No data available.
Ingestion	
Acute (Immediate)	• No data available.

- No data available.
- (Delayed) Mutagenic • No data available.
- Mutagenic Effects
- **Carcinogenic Effects** • This product contains fibrous glass. Following a thorough review of all the medical-scientific data available at a meeting in October 2001, the IARC panel lowered the classification for fibrous glass from a Group 2B classification ("possibly carcinogenic to humans") to a Group 3 classification ("not classifiable as to carcinogenicity to humans"). According to IARC, there is "no evidence of increased risks of lung cancer from occupational exposures during manufacturing of these materials, and inadequate evidence overall of any cancer risk.

Reproductive • No data available. **Effects**

Key to abbreviations

LC = Lethal Concentration LD = Lethal Dose TC = Toxic Concentration TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

• Not expected to be harmful to aquatic life.

12.2 Persistence and degradability

- Material data lacking.
- 12.3 Bioaccumulative potential
- Material data lacking.

12.4 Mobility in Soil

• Material data lacking.

12.5 Results of PBT and vPvB assessment

• No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

• No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 3: Composition Information. For UNUSED & UNCONTAMINATED PRODUCT, the preferred disposal option includes sending to a licensed, permitted waste handler and disposing with incinerator or other thermal destruction device.

• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NA	Not Regulated	NA	NA	NDA
TDG	NA	Not Regulated	NA	NA	NDA
IMO/IMDG	NA	Not Regulated	NA	NA	NDA
IATA/ICAO	NA	Not Regulated	NA	NA	NDA

14.6 Special precautions for user

• None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Material not supplied in bulk form.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard	Classificati	ons		Chronic		
State Right To Know						
Component	CAS	MA	NJ	PA		
2-Butanone	78-93-3	Yes	Yes	Yes		
Formamide, N,N- dimethyl-	68-12-2	Yes	Yes	Yes		
Acetone	67-64-1	Yes	Yes	Yes		
Calcium sulfate	7778-18-9	Yes	No	Yes		
Glass, oxide, chemicals	65997-17- 3	Yes	No	Yes		

Inventory								
Component	CAS	Canada I	DSL	Canada NDSL	China	China EU EINECS		EU ELNICS
2-Butanone	78-93-3	Yes		No	Yes	Yes		No
Formamide, N,N- dimethyl-	68-12-2	Yes		No	Yes	Yes		No
Acetone	67-64-1	Yes		No	Yes	Yes		No
Calcium sulfate	7778-18	-9 Yes		No	Yes	Yes		No
Glass, oxide, chemicals	65997-1 3	7- Yes		No	Yes	Yes		No
Inventory (Con't.)								
Componen	ıt	CAS		Japan ENCS	Korea K	ECL		TSCA
2-Butanone		78-93-3	Yes		Yes		Yes	
Formamide, N,N-di	methyl-	68-12-2	Yes		Yes		Yes	
Acetone		67-64-1	Yes		Yes		Yes	
Calcium sulfate	Ifate 7778-18-9 Yes Yes Yes							
Glass, oxide, chem	icals	65997-17-3	Yes		Yes		Yes	

Australia

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring • •Formamide, NN-dimethyl- 68-12-2 Not Listed •Class, oxide, chemicals 65997-17.3 Not Listed •Class, oxide, chemicals as Glass wool fiber Not Listed Not Listed •Australia - High Volume Industrial Chemicals List 68-12-2 Not Listed •Formamide, N,N-dimethyl- 68-12-2 Not Listed Not Listed •Australia - High Volume Industrial Chemicals List 65997-17.3 Not Listed •Class, oxide, chemicals 65997-17.3 Not Listed •Acetone 67-64-1 Not Listed •Class, oxide, chemicals as Glass wool fiber Not Listed Not Listed Australia - List of Designated Hazardous Substances - Classification Xn, Xi Repr.Cat 2 R61, R20/21, R36 R20/21, R36 •Class, oxide, chemicals as Glass wool fiber 68-12-2 Not Listed Not Listed •Class, oxide, chemicals as Glass wool fiber 78-93-3 F, Xi R11, R36, R66, Ri Glass, oxide, chemicals as Glass wool fiber Not Listed •Australia - National Pollutant Inventory (NPI) Substance List •Formamide, N,N-dimethyl- 88-12-2 Not Listed •Cateone 67-64	Labor		
-2-Butanone78-93.3Not Listed-Cateone67-64.1Not Listed-Class, oxide, chemicals65997-17-3Not Listed-Class, oxide, nemicals as Glass wool fiber68-12-2Not Listed-Australia - High Yolume Industrial Chemicals List78-93.3			
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•Glass, oxide, chemicals as Glass wool fiber Not Listed Australia - High Volume Industrial Chemicals List 68-12-2 Not Listed •Commode 78-93-3 67-64-1 •Class, oxide, chemicals 6997-17-3 Not Listed •Class, oxide, chemicals as Glass wool fiber 68-12-2 Not Listed Australia - List of Designated Hazardous Substances - Classification Xn, Xi Repr Cat.2 R61, R20021, R36 •Commode, N,N-dimethyl- 68-12-2 Xn, Xi Repr Cat.2 R61, R20021, R36 •Class, oxide, chemicals as Glass wool fiber 78-93-3 F, Xi R11, R36, R66, Ri •Acetone 67-64-1 F, Xi R11, R36, R66, Ri 65997-17-3 •Class, oxide, chemicals as Glass wool fiber Xn Xi Listed Not Listed •Comment 68-12-2 Not Listed Not Listed •Australia - National Pollutant Inventory (NPI) Substance List 68-12-2 Not Listed •Comment 68-12-2 Not Listed Category 1 •Acetone 67-64-1 68-12-2 Not Listed •Class, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals 61-04-1 •Class, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals </td <td>•Acetone</td> <td>67-64-1</td> <td>Not Listed</td>	•Acetone	67-64-1	Not Listed
Australia - High Volume Industrial Chemicals ListNot Listed- Formamide, N,N-dimethyl-68-12-2Not Listed- 2-Butanone67-64-1Kalesconde- Glass, oxide, chemicals as Glass wool fiberNot Listed- Glass, oxide, chemicals as Glass wool fiberNot Listed- Australia - List of Designated Hazardous Substances - ClassificationXn, Xi Repr.Cat.2 R61, R20/21, R36- Formamide, N,N-dimethyl-68-12-2Xn, Xi Repr.Cat.2 R61, R20/21, R36- Acetone78-93.3F, Xi R11, R36, R66, R0- Acetone67-64.1F, Xi R11, R36, R66, R0- Glass, oxide, chemicals65997-17-3Not Listed- Glass, oxide, chemicals65997-17-3Not Listed- Glass, oxide, chemicals61-22Not Listed- Glass, oxide, chemicals61-22Not Listed- Consentiale - National Pollutant Inventory (NPI) Substance List-Not Listed- 2-Butanone78-93.310 tonne/yr Threshold category 110 tonne/yr Threshold category 1- Glass, oxide, chemicals65997-17-3Not Listed- Contanide, NN-dimethyl-68-12-2Not Listed- Contanide, NN-dimethyl-68-12-2Not Listed- Contanide, NN-dimethyl-68-12-2Not Listed- Contanide, NN-dimethyl-68-12-2 </td <td>•Glass, oxide, chemicals</td> <td>65997-17-3</td> <td>Not Listed</td>	•Glass, oxide, chemicals	65997-17-3	Not Listed
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•Formatride, N,N-dimethyl-66-12-2R20/21, R36•2-Butanone78-93-3F, Xi R11, R36, R66, Ri•Acetone67-64-1F, Xi R11, R36, R66, Ri•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed Environment 68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Class, oxide, chemicals68-12-2Not Listed•Class, oxide, chemicals68-12-2Not Listed•Class, oxide, chemicals65997-17-310 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Class, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Class, oxide, chemicals65997-17-3Not Listed•Class, oxide, chemicals65997-17-3Not Listed•Class, oxide, chemicals65997-17-3Not Listed•Class, oxide, chemicals as Glass wool fiberNot Listed•Acetone67-64-1Not Listed•Class, oxide, chemicals as Glass wool fiberNot Listed•Class, oxide, chemicals as Glass wool fiberNot Listed•Class, oxide, chemicals as Glass wool fiberResord•Class, oxide, chemicals as Glass wool fiberCandidate chemical•Class, oxide, chemicals as Glass wool fiberResord•Class, oxide, chemicals as Glass wool fiberResord•Cla	Australia - List of Designated Hazardous Substances - Classification		
•Acetone67-64-1F, Xi R11, R36, R66, R4•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed Environment 68-12-2Not Listed•Category 168-12-2Not Listed•Category 110 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber68-12-2Not Listed•Commanide, N,N-dimethyl-68-12-2Not Listed•Class, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Class, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Cornamide, N,N-dimethyl-68-12-2Candidate chemical•Cornamide, N,N-dimethyl-68-12-2Candidate chemical•Class, oxide, chemicals as Glass wool fiberNot Listed•Cornamide, N,N-dimethyl-68-12-2Candidate chemical•Cornamide, N,N-dimethyl-68-12-2Candidate chemical•Cornamide, N,N-dimethyl-68-12-2Can	•Formamide, N,N-dimethyl-	68-12-2	
•Acetone67-64-1F. Xi R11, R36, R66, R4•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not ListedEnvironment68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Class, oxide, chemicals78-93-310 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Catone68-12-2Not ListedNot Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Catone68-12-2Not ListedNot Listed•Catone67-64-1Not ListedNot Listed•Calass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Calass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Calass, oxide, chemicals as Glass wool fiberCandidate chemicalNot Listed•Catone68-12-2Candidate chemicalNot Listed•Calass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Catone68-12-2Candidate chemicalNot Listed•Calass, oxide, chemicals as Glass wool fiberNot ListedNot Listed	•2-Butanone	78-93-3	F, Xi R11, R36, R66, R67
•Glass, oxide, chemicals65997-17-3Not Listed Not Listed•Glass, oxide, chemicals as Glass wool fiber	•Acetone		
•Glass, oxide, chemicals as Glass wool fiberNot ListedEnvironmentKustralia - National Pollutant Inventory (NPI) Substance List68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed10 tonne/yr Threshold category 1•2-Butanone78-93-310 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals61ass, oxide, chemicals as Glass wool fiberNot ListedAustralia - Ozone Protection Act - Scheduled SubstancesNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Class, oxide, chemicals61asNot Listed•Glass, oxide, chemicalsSclassNot Listed•Glass, oxide, chemicals61asNot Listed•Glass, oxide, chemicalsSclassNot Listed•Glass, oxide, chemicals61asNot Listed•Cone67-64-1Not Listed•Class, oxide, chemicals61asNot Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, chemicals as Glass wool fiberCandidate chemical•Glass, oxide, chemicals as Glass wool			
EnvironmentAustralia - National Pollutant Inventory (NPI) Substance List+Formamide, N,N-dimethyl-68-12-2+Formamide, N,N-dimethyl-78-93-3•2-Butanone78-93-3•Acetone67-64-1•Glass, oxide, chemicals65997-17-3•Glass, oxide, chemicals as Glass wool fiber65997-17-3•Glass, oxide, chemicals as Glass wool fiberNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Corne Protection Act - Scheduled Substances68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Corne65-64-1Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Corne65-64-1Not ListedNot Listed•Corne65-64-1Not ListedNot Listed•Corne65-997-17-3Not ListedNot Listed•Corne65-997-17-3Not ListedNot Listed•Corne65-997-17-3Not ListedNot Listed•Corne65-997-17-3Not ListedNot Listed•Corne67-64-1Not ListedNot Listed			
Australia - National Pollutant Inventory (NPI) Substance List68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-310 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed Not Listed•Glass, oxide, chemicals as Glass wool fiber68-12-2Not Listed Not Listed•Cormamide, N,N-dimethyl-68-12-2Not Listed•Cormamide, N,N-dimethyl-68-12-2Not Listed•Core78-93-3Not Listed•Core67-64-1Not Listed•Core67-64-1Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core65997-17-3Not Listed•Core68-12-2Candidate chemical•Core68-12-2Candidate chemical•Core68-12-2Candidate chemical•Core78-93-3Candidate chemical•Core78-93-3Candidate chemical•Core68-12-2Candidate chemical•Core68-12-2Candidate chemical•Core78-93-3Candidate chemical•Core78-93-3Candidate chemical•Core68-12-2Candidate chemical•Core78-93-3Candida			Hot Elotod
•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-310 tonne/yr Threshold category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed Not Listed•Glass, oxide, chemicals as Glass wool fiber68-12-2Not Listed vateralia - Ozone Protection Act - Scheduled Substances•Formamide, N,N-dimethyl-68-12-2Not Listed Not Listed•Class, oxide, chemicals68-12-2Not Listed Not Listed•Category 168-12-2Not Listed•Correamide, N,N-dimethyl-68-12-2Not Listed•Category 168-12-2Not Listed•Category 168-12-2Not Listed•Category 168-12-2Not Listed•Category 168-12-2Not Listed•Category 168-12-2Not Listed•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Correamide, N,N-dimethyl-68-12-2Candidate chemical•Correamide, N,N-dimethyl-68-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Category 168-12-2Candidate chemical•Correamide, N,N-dimethyl-68-12-2Ca			
-2-Butanone78-93-310 tonne/yr Threshold category 1-Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed Australia - Ozone Protection Act - Scheduled Substances 68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Acetone65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Acetone68-12-2Candidate chemical•Glass, oxide, chemicals as Glass wool fiberNot Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiberCandidate chemical•Acetone68-12-2Candidate chemical•Acetone68-12-2Candidate chemical•Acetone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed•Acetone67-64-1Not Listed </td <td></td> <td></td> <td></td>			
•2-Butanone78-93-3 category 1•Acetone67-64-110 tonne/yr Threshold category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Australia - Ozone Protection Act - Scheduled Substances68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Acetone65997-17-3Not Listed•Acetone65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals612-2Not ListedNot Listed•Glass, oxide, chemicals as Glass wool fiber68-12-2Candidate chemical•Glass, oxide, chemicals as Glass wool fiber68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Acetone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Candidate chemical•Glass, oxide, chemicals as Glass wool fiber78-93-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed	•Formamide, N,N-dimethyl-	68-12-2	
*Aceione67-64-1category 1•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot ListedAustralia - Ozone Protection Act - Scheduled Substances68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not ListedNot Listed•2-Butanone78-93-3Not ListedNot Listed•Acetone67-64-1Not ListedNot Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Acetone68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Glass, oxide, chemicals as Glass wool fiber78-93-3Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Glass, oxide, chemicals67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed	•2-Butanone	78-93-3	,
•Glass, oxide, chemicals as Glass wool fiberNot ListedAustralia - Ozone Protection Act - Scheduled SubstancesNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not ListedAustralia - Priority Existing Chemical Program68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Glass, oxide, chemicals as Glass wool fiber78-93-3Candidate chemical•Glass, oxide, chemicals67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed	•Acetone	67-64-1	,
Australia - Ozone Protection Act - Scheduled Substances•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed Australia - Priority Existing Chemical Program 68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Pormamide, N,N-dimethyl-68-12-2Candidate chemical•Acetone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber78-93-3Candidate chemical•Glass, oxide, chemicals67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberKot ListedNot Listed	•Glass, oxide, chemicals	65997-17-3	Not Listed
•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•Candidate chemical78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed	•Glass, oxide, chemicals as Glass wool fiber		Not Listed
•2-Butanone78-93-3Not Listed•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed Australia - Priority Existing Chemical Program 68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberKot ListedNot Listed•Glass, oxide, chemicals as Glass wool fiberKot ListedNot Listed	Australia - Ozone Protection Act - Scheduled Substances		
•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Australia - Priority Existing Chemical Program68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberKot ListedNot Listed	•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Glass, oxide, chemicals65997-17-3Not Listed Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed Australia - Priority Existing Chemical Program 68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed	•2-Butanone	78-93-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiberNot ListedAustralia - Priority Existing Chemical Program68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed	•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals as Glass wool fiberNot ListedAustralia - Priority Existing Chemical Program68-12-2Candidate chemical•Formamide, N,N-dimethyl-68-93-3Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed	•Glass. oxide. chemicals	65997-17-3	Not Listed
Australia - Priority Existing Chemical Program•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed			Not Listed
•Formamide, N,N-dimethyl-68-12-2Candidate chemical•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed			
•2-Butanone78-93-3Candidate chemical•Acetone67-64-1Not Listed•Glass, oxide, chemicals as Glass wool fiber65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed		68-12-2	Candidate chemical
•Acetone67-64-1Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed		78-93-3	Candidate chemical
•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed			Not Listed
•Glass, oxide, chemicals as Glass wool fiber Not Listed			
Gallaud			Not Elstou
	Callaua		
Labor	Labor		
Canada - WHMIS - Classifications of Substances	Canada - WHMIS - Classifications of Substances		
•Formamide, N,N-dimethyl- 68-12-2 Not Listed	•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone 78-93-3 B2, D2B			B2, D2B
•Acetone 67-64-1 B2, D2B	•Acetone	67-64-1	-
•Calcium sulfate 7778-18-9 D2B	•Calcium sulfate	7778-18-9	D2B
•Glass, oxide, chemicals 65997-17-3 Not Listed	•Glass, oxide, chemicals	65997-17-3	Not Listed
Uncontrolled product			Uncontrolled product
•Glass, oxide, chemicals as Glass wool fiber classification criteria (lis	•Glass, oxide, chemicals as Glass wool fiber		

		(listed under Mineral wool
Consider MULIMIC In manificant Disclosure List		fiber)
Canada - WHMIS - Ingredient Disclosure List •Formamide, N,N-dimethyl-	68-12-2	1 %
•2-Butanone	78-93-3	1 %
•Acetone	67-64-1	1 %
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber	00001 11 0	Not Listed
Environment Canada - CEPA - Priority Substances List		
		Priority Substance List 2
•Formamide, N,N-dimethyl-	68-12-2	(substance not considered toxic)
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
Europe		
-		
Other EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
		Xn; R20/21 Xi; R36
•Formamide, N,N-dimethyl-	68-12-2	Repr.Cat.2; R61
•2-Butanone	78-93-3	F; R11 Xi; R36 R66 R67
•Acetone	67-64-1	F; R11 Xi; R36 R66 R67
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits 		Not Listed
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
•Formamide, N,N-dimethyl-	68-12-2	T R:61-20/21-36 S:53-45
•2-Butanone	78-93-3	F Xi R:11-36-66-67 S:(2)-9- 16
•Acetone	67-64-1	F Xi R:11-36-66-67 S:(2)-9- 16-26
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
•Formamide, N,N-dimethyl-	68-12-2	E
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases	69.40.0	0.52 45
•Formamide, N,N-dimethyl- •2-Butanone	68-12-2 78-93-3	S:53-45
	10-20-0	S:(2)-9-16

•Acetone	67-64-1	S:(2)-9-16-26
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
Germany		
Environment		
Germany - TA Luft - Types and Classes		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany - TA Luft - Emission Limits for Carcinogenic Substances		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany - TA Luft - Emission Limits for Fibers		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
Germany - TA Luft - Emission Limits for Inorganic Dusts		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany - TA Luft - Emission Limits for Inorganic Gases	00.40.0	
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber Germany - TA Luft - Emission Limits for Organic Substances 		Not Listed
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber	03997-17-3	Not Listed
Germany - Water Classification (VwVwS) - Annex 1		Not Elsted
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
•Formamide, N,N-dimethyl-	68-12-2	ID Number 83, hazard class 1 - low hazard to waters ID Number 150, hazard
•2-Butanone	78-93-3	class 1 - low hazard to waters
•Acetone	67-64-1	ID Number 6, hazard class 1 - low hazard to waters

•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
Germany - Water Classification (VwVwS) - Annex 3		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
United States		
Labor		
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
U.S OSHA - Specifically Regulated Chemicals		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
Environment		
U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		
•Formamide, N,N-dimethyl-	68-12-2	(listed under Dimethyl
		formamide)
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
		(including mineral fiber
		emissions from facilities manufacturing or processing
•Glass, oxide, chemicals as Glass wool fiber		glass, rock, or slag fibers [or
,,,		other mineral derived fibers]
		of average diameter 1 µm or
		less)
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities		100 lb final RQ; 45.4 kg final
•Formamide, N,N-dimethyl-	68-12-2	RQ
		5000 lb final RQ; 2270 kg
•2-Butanone	78-93-3	final RQ
•Acetone	67-64-1	5000 lb final RQ; 2270 kg
Acetone	07-04-1	final RQ
Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed

-Formanida, N.Ndimethyl- 68-12-2 Not Listed - 2-Butanome 77-84-1 Not Listed - Calcium sulfata 67-84-1 Not Listed - Glass, oxide, chemicals 65997-17-3 Not Listed - Glass, oxide, chemicals 65997-17-3 Not Listed - Carlcium sulfata 77-80-3 Not Listed - Carlcium sulfata 67-86-1 Not Listed - Carlcium sulfata 67-86-1 Not Listed - Carlcium sulfata 67-86-1 Not Listed - Carlcium sulfata 65997-17-3 Not Listed - Carlcium sulfata	U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
-Acotone67.64-11Not ListedCalcium sulfate67.89.0Not ListedGlass, xolde, chemicals6599.71-73Not ListedU.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs78.90.3Not Listed- Pormanide, No.Momethyl-78.90.3Not Listed- Calcium sulfate7778.18-9Not Listed- Calcium sulfate778.93.3Not Listed- Calcium sulfate778.94.3Not Listed- Calcium sulfate7778.94Not Listed- Calcium sulfate7778.94Not Listed- Calcium sulfate7778.94Not Listed- Calcium sulfate7778.194Not Listed- Calcium sulfate7778.195Not Listed- Calcium sulfate7778.194Not Listed- Calcium sulfate7778.195Not Listed		68-12-2	Not Listed
-Calcium suitaie 777.8-18.9 Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber 68.12.2 Not Listed 2-Butanone 78.43.3 Not Listed -Calcium suifate 778.41.4 Not Listed -Calcium suifate 778.41.4 Not Listed -Calcium suifate 7778.48.9 Not Listed -Calcium suifate 778.48.9 Not Listed -Calcium suifate 7778.48.9 Not Listed -Calcium suifate <td< td=""><td></td><td>78-93-3</td><td>Not Listed</td></td<>		78-93-3	Not Listed
-Calcium suifaile7778 -18.9Nut Listed-Glass, oxide, chemicals as Glass woll fiber65997-17.3Nut Listed-Glass, oxide, chemicals as Glass woll fiber68-12.2Nut Listed-2. Butanone78-40.3Nut Listed-2. Butanone778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate7778-18.9Nut Listed-Calcium suifate778-18.9Nut Listed-Calcium s	•Acetone	67-64-1	Not Listed
-Class: oxide. chemicals as Class: woll fiber Not Listed -Glass: oxide. chemicals as Class: woll fiber Not Listed -Formanide, NN-40methyl- 68-12.2 Not Listed -Acetone 67-84-1 Not Listed -Acetone 67-84-1 Not Listed -Calcium suffate 67-84-1 Not Listed -Class, oxide, chemicals 65997-17-3 Not Listed -Class, oxide, chemicals 66-12-2 Not Listed -Class, oxide, chemicals 65997-17-3 Not Listed <tr< td=""><td>•Calcium sulfate</td><td></td><td></td></tr<>	•Calcium sulfate		
-Class, codd, chemicals as Glass wool fiber Not Listed 45CCRCLASARA - Section 302 Extremely Hazardous Substances TPQs 68-12-2 Not Listed -2.Butanone 68-12-2 Not Listed -2.Butanone 67-64-1 Not Listed -Calcium suffate 67-64-1 Not Listed -Calcium suffate 67-64-1 Not Listed -Class, colde, chemicals 63-12-2 Not Listed -Class, colde, chemicals as Class wool fiber Not Listed Concentration US CERCLASARA - Section 313 - Emission Reporting Not Listed Concentration -Calcium suffate 778-18-9 Not Listed Concentration -Calcium suffate 78-93-3 Not Listed Colcium suffate Colcium suffate -Calcium suffate 68-12-2 Not Listed Colcium suffate Not Listed -Calcium suffate 68-12-2 Not Listed Colcium suffate Not Listed -Calcium suffate 78-93-3 Not Listed Not Listed -Calcium suffate 78-93-3 Not Listed Not Listed -Calcium suffate			
U.S. CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs 68-12.2 Nut Listed -Formanide, N.N-dimethyl- 68-72.4 Nut Listed -Qatonone 778-81-8 Nut Listed -Galais, oxide, chemicals as Glass wool fiber 7778-18-9 Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed U.S. CERCLA/SARA - Section 313 - Emission Reporting Nut Listed Concentration -2-Butanone 68-12.2 10.% de minimis concentration -2-Butanone 67-64-1 Nut Listed -Catoium suffate 7778-18-9 Nut Listed -Catoium suffate 65-977-73 Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed U.S. CERCLA/SARA - Section 313 - PBT Chemical Listing 78-93-3 Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed -Glass, oxide, chemicals as Glass wool fiber Nut Listed Nut Listed <td></td> <td>00001 11 0</td> <td></td>		00001 11 0	
-Formamide, NN-dimethyl- 68-12.2 Not Listed -Calcium sulfate 67.64.1 Not Listed -Calcium sulfate 68-12.2 Concentration -Calcium sulfate 77.78-18.9 Not Listed -Calcium sulfate 67.64.1 Not Listed -Calcium sulfate 77.78-18.9 Not Listed -Calcium sulfate 77.78-18.9 Not Listed -Calcium sulfate 67.64.1 Not Listed -Calcium sulfate 77.77.18.9 Not Listed <tr< td=""><td></td><td></td><td>Not Elsted</td></tr<>			Not Elsted
-2-Butanone78-93 67-84-1Not Listed-Acetone67-84Not Listed-Glass, oxide, chemicals as Glass wool fiber6599-71-73Not Listed-Glass, oxide, chemicals as Glass wool fiber0.599-71-73Not Listed-Formanide, N,N-dimethyl-86-12-2Concentration-2-Butanone77-84-11Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Glass, oxide, chemicals as Glass wool fiberNot Listed-Glass, oxide, chemicals as Glass wool fiberNot Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-84-13Not Listed-Calcium sulfate77-78-18-9Not Listed-Calcium sulfate77-78-18-9Not Listed-Calcium sulfate77-78-18-9Not Listed-Calcium sulfate77-78-19-1Not Listed-Calcium sulfate77-78-19-1Not Listed-Calcium sulfate77-78-19-1Not Listed-Calcium sulfate777-78-19-1Not Listed-Calcium sulfate777-78-19-1Not Listed-Calcium sulfate777-78-19-1Not Listed-Calcium sulfate777-78-19-1Not Listed-Calcium sulfate777-78-19-1Not Listed-Calcium sulfate777-78	-	68-12-2	Not Listed
AcetoneG7.40 bit ListedCalcium sulfateG778-18-0Not ListedCalcium sulfateNot ListedNot ListedCalcium sulfateNot ListedNot ListedUS. CERCLASARA - Section 313 - Emission ReportingNot Listed*Formamide, N.N-dimethyl-Re12-2concentration2-Butanone778-18-9Not ListedNot ListedCalcium sulfate7778-18-9Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate67-84-1Not Listed-Calcium sulfate67-84-1Not Listed-Calcium sulfate67-84-1Not Listed-Calcium sulfate67-84-1Not Listed-Calcium sulfate67-84-1Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate68-12-2Not Listed- <td>-</td> <td></td> <td></td>	-		
-Calcium sulfate778-18-9Not Listed-Glass, oxide, chemicals as Glass wool fiber6599-71-3Not ListedU.SCERCLAYSARA - Section 313 - Emission Reporting+Formamide, N.N-dimethyl-68-12-2Concentration-Subtanone78-93-3Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate66-12-2Not Listed-Calcium sulfate66-12-2Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate66-12-2Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate67-64-1Included in waste streams: F005-Calcium sulfate67-64			
- Class, oxide, chemicals Glass wool fiberNot Listed- Class, oxide, chemicals as Glass wool fiber08-12-2Not Listed- Comamide, N,N-dimethyl-68-12-2Not Listed- Calcium sulfate778-18-4Not Listed- Calcium sulfate7778-18-9Not Listed- Calcium sulfate778-18-9Not Listed- Calcium sulfate778-18-9Not Listed- Calcium sulfate778-18-9Not Listed- Calcium sulfate7778-18-9Not Lis			
- Class, oxide, chemicals as Glass wool fiberNo Listed4-Certonamide, N.N-dimethyl-68-12-21.0 % de minimits concentration4-Acetone78-93-3Not Listed4-Acetone7778-18-9Not ListedCalatium sulfate65997-17-3Not ListedCalatium sulfate65997-17-3Not ListedCalatium sulfate65997-17-3Not ListedCalatium sulfate7778-18-9Not ListedCalatium sulfate7778-18-9Not ListedCalatium sulfate7778-18-9Not ListedCalatium sulfate7778-18-9Not ListedCalatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate65997-17-3Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate65997-17-3Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate676-04-1Foog-Calatium sulfate676-04-1Foog-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate7778-18-9Not Listed-Calatium sulfate678-1Foog-Calatium sulfat			
U.S CERCLA/SARA - Section 313 - Emission Reporting-Formamide, N.N-dimethyl-68-12-21.0 % de minimis concentration-2-Butanone67-64-1Not Listed-Calcium sulfate677-78-18-9Not Listed-Calcium sulfate6599-77-73Not Listed-Calcium sulfate6599-77-73Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate67-64-1Not Listed-Calcium sulfate67-78-18-9Not Listed-Calcium sulfate6778-18-9Not Listed-Calcium sulfate6778-18-9Not Listed-Calcium sulfate6778-18-9Not Listed-Calcium sulfate6778-18-9Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate68-12-2Not Listed-Calcium sulfate67-64-1Piculed in waste stream: F005, F003-Calcium sulfate6599-17-3Not Listed-Calcium sulfate6599-17-3Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate6599-17-3Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed <td></td> <td>00337-17-0</td> <td></td>		00337-17-0	
+Formamide, N,N-dimethyl- 68-12-2 1.0 % de minimis concentration -2-Butanone 78-93-3 Not Listed -2-Butanone 67-84-1 Not Listed -Calcium sulfate 67-84-1 Not Listed -Calcium sulfate 67-84-1 Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed U.S CERCL/NSARA - Section 313 - PBT Chemical Listing - Not Listed +Formamide, N,N-dimethyl- 68-12-2 Not Listed -2-Butanone 778-81-9 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate 65997-17-3 Not Listed -Calcium sulfate 67-64-1 Not Listed -Calcium sulfate 67-64-1 Included in waste streams: F005, F039 -Calcium sulfate 67-64-1 F039 -Calcium sulfate 67-64-1 F039 -Calcium sulfate 67-64-1 F039 -Calcium sulfate 67-64-1 F039 -Calcium sulfate 67-77-3 Not Listed -Calcium sulfate <td></td> <td></td> <td>NOT LISTED</td>			NOT LISTED
***Ormanide, N,N-dimethyl- 08-12-2 concentration -2-Butanone 78-93.3 Not Listed -Acetone 67-64-1 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -CERCLAVSARA - Section 313 - PBT Chemical Listing Not Listed Not Listed -Formanide, N,N-dimethyl- 68-12-2 Not Listed -Calcium sulfate 67-64-1 Not Listed -Calcium sulfate 67-64-1 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -Sectone 67-64-1 Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -Sectone 67-64-1 Included in waste streams: F005, F039 -Calcium sulfate 7778-18-9 Not Listed -Glass, oxide, chemicals			10% de minimis
-2-Butanone78-93.3Not Listed-Calcium sulfate778-14.0Not Listed-Calcium sulfate778-16.0Not Listed-Glass, oxide, chemicals as Glass wool fiberNot Listed-Calcium sulfate65997-17.3Not Listed-StereCLA/SARA - Section 313 - PBT Chemical Listing78-93.3Not Listed-Calcium sulfate78-93.3Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate65997-17.3Not Listed-Calcium sulfate65997-17.3Not Listed-Calcium sulfate65997-17.3Not Listed-Calcium sulfate65997-17.3Not Listed-Calcium sulfate68-12.2Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate68-12.2Not Listed-Calcium sulfate67-64.1Not Listed-Calcium sulfate7778-18.9Not Listed-Calcium sulfate7778-18.9Not Listed-Calcium sulfate7778-18.9Not Listed-Calcium sulfate7778-18.9Not Listed-Calcium sulfate67-64.1Not Listed-Calcium sulfate67-64.1Not Listed-Calcium sulfate67-64.1Not Listed-Calcium sulfate67-64.1Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate778-18.9Not Listed-Calcium sulfate	•Formamide, N,N-dimethyl-	68-12-2	
·Acetone 67-64-1 Not Listed ·Calcium sulfale 7778-18-9 Not Listed ·Calcium sulfale 67997-17-3 Not Listed ·Glass, oxide, chemicals as Class wool fiber Not Listed ·US. · CERCLA/SRAP. Section 313 · PBT Chemical Listing Not Listed ·Pormamide, N,N-dimethyl- 68-12-2 Not Listed ·Acetone 67-64-1 Not Listed ·Calcium sulfate 7778-18-9 Not Listed ·Calcium sulfate 67-64-1 Included in waste st	•2-Butanone	78-93-3	
-Calcium sulfate778-18-9Not Listed-Glass, oxide, chemicals as Glass wool fiberNot Listed-Class, oxide, chemicals as Glass wool fiberV-S. CERCLA/SARA - Section 313 - PBT Chemical ListingNot Listed-S-but none76-93-3Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfateConservation & Recovery Act) - Basis for Listing - Appendix VIINot Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate778-18-9Not Listed-Calcium sulfate65997-17-3Not Listed-Calcium sulfate65997-			
•Glass, oxide, chemicals as Glass wool fiber Not Listed •Glass, oxide, chemicals as Glass wool fiber Not Listed •LS. • CERCLASSAR - Section 313 - PBT Chemical Listing 68-12-2 Not Listed •2-Butanone 67-64-1 Not Listed •2-Butanone 67-64-1 Not Listed •Calcium sulfate 7778-18-9 Not Listed •Calcium sulfate 63997-17-3 Not Listed •Calcium sulfate 67-64-1 Not Listed •Calcium sulfate 65997-17-3 Not Listed •Calcium sulfate 7778-18-9 Not Listed •Calcium sulfate 68-12-2 Not Listed •Calcium sulfate 68-12-2 Not Listed •Calcium sulfate 67-64-1 Included in waste streams: F005, F039 •Calcium sulfate 67-64-1 Included in waste streams: F038 F039 •Calcium sulfate 67-64-1 Not Listed •Calcium sulfate 7778-18-9 Not Listed •Calcium sulfate 67-64-1 F039 •Calcium sulfate 7778-18-9 Not Listed •Ca			
- Class, oxide, chemicals as Glass wool fiberNot ListedUS CERCLAYSARA - Section 313 - PBT Chemical Listing68-12-2Not Listed+2-Butanone78-93-3Not Listed- Acetone778-18-9Not Listed- Calcium sulfate7778-18-9Not Listed- Calcium sulfate778-18-9Not Listed- Calass, oxide, chemicals as Glass wool fiber68-12-2Not Listed- Class, oxide, chemicals as Glass wool fiber68-12-2Not Listed- V.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VI10-104ded in waste streams: F005, F039- v-Butanone78-93.3Included in waste streams: F039- v-Butanone67-64-1Included in waste streams: F039- Calcium sulfate67-64-1Not Listed- Calcium sulfate67-89-17Not Listed- Calcium sulfate68-19-2Not Listed- Sectone68-19-2Not Listed- Sectone67-64-110-1040- Sectone68-19-2			
U.S. CERCLA/SRA - Saction 313 - PBT Chemical Listing 68-12-2 Not Listed +Formanide, N,N-dimethyl- 68-93-3 Not Listed -2-Butanone 67-64.1 Not Listed +Cactone 67-64.1 Not Listed -Calais, solide, chemicals 65997-17.3 Not Listed -Glass, oxide, chemicals as Glass wool fiber Vot Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed -Glass, oxide, chemicals 68-12-2 Not Listed +Formanide, N,N-dimethyl- 68-12-2 Not Listed +Couton 78-93-3 Included in waste streams: F039 -Calcium sulfate 67-64.1 Included in waste streams: F039 -Calcium sulfate 67-64.1 Not Listed -Sectone 65997-17-3 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Calcium sulfate <t< td=""><td></td><td>00337-17-0</td><td></td></t<>		00337-17-0	
-Formamide, N,N-dimethyl- 68.12.2 Not Listed -2-Butanone 78.93.3 Not Listed -Acctone 67.64.1 Not Listed -Calaium sulfate 65997.17-3 Not Listed -Glass, oxide, chemicals as Glass wool fiber vot Listed U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII Not Listed -2-Butanone 68.12.2 Not Listed -2-Butanone 67.64.1 Included in waste streams: F005, F039 -Calcium sulfate 77.89.3 Included in waste streams: F005, F039 -Calcium sulfate 77.89.49.9 Not Listed -Glass, oxide, chemicals 65997.17.3 Not Listed -Galcium sulfate 77.89.49.9 Not Listed -Galcium sulfate 77.89.18.9 Not Listed -Glass, oxide, chemicals 65997.17.3 Not Listed -Galcium sulfate 77.78.18.9 Not Listed -2-Butanone 68.12.2 Not Listed -2-Butanone 68.12.2 Not Listed -2-Butanone 67.64.1 - -2-Butanone 67.64.1 - -2-Butanone <t< td=""><td></td><td></td><td>Not Listed</td></t<>			Not Listed
2-Butanone 78-93-3 Not Listed -Acetone 67-64-1 Not Listed -Calcium sulfate 7778-18-9 Not Listed -Glass, oxide, chemicals 65997-17-3 Not Listed -Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed US RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII 68-12-2 Not Listed *2-Butanone 78-93-3 Included in waste streams: F005, F039 *Acetone 67-64-1 Included in waste streams: F039, F039 •Calcium sulfate 7778-18-9 Not Listed •Calcium sulfate 778-91.3	· · · · · · · · · · · · · · · · · · ·	68-12-2	Not Listed
Acetone67-64-1Not ListedCalacium sulfate7778-18-9Not ListedGlass, oxide, chemicals6599-71-7.3Not ListedGlass, oxide, chemicals as Glass wool fiberNot ListedU.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VIINot Listed+Formamide, N,N-dimethyl-68-12-2Not Listed2-Butanone78-93.3Included in waste streams: F005, F039-Acetone67-64-1Included in waste streams: F039-Calcium sulfate7778-18-9Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium sulfate6599-71-7.3Not Listed-Calcium sulfate7778-18-9Not Listed-Calcium	-		
•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals as Glass wool fiber5997-17-3Not Listed•US. •RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VIINot Listed•Commide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3Included in waste streams: F005, F033•Acetone67-64-1Included in waste streams: F039•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed•Colcium sulfate7778-18-9Not Listed <t< td=""><td></td><td></td><td></td></t<>			
•Glass, oxide, chemicals as Glass wool fiber Not Listed •Glass, oxide, chemicals as Glass wool fiber Not Listed U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII Not Listed •2-Butanone Refs. 9.3.3 Included in waste streams: F039 •Acetone 67-64-1 Included in waste streams: F039 •Calcium sulfate 778-18-9 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed •Glass, oxide, chemicals 6597-17-3 Not Listed •Glass, oxide, chemicals 6597-17-3 Not Listed •Calcium sulfate 778-18-9 Not Listed •Calcium sulfate 778-18-9 Not Listed •Calcium sulfate 778-18-9 Not Listed •Calcium sulfate 67-64-1 VE •Calcium sulfate 7778-18-9 Not Listed •Calcium sulfate 6597-17-3 Not Listed •Calcium sulfate 67-64-1 VE			
•Glass, oxide, chemicals as Glass wool fiberNot ListedU.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VIINot Listed•Commanide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3Included in waste streams: F005, F039•Acetone67-64-1Included in waste stream: F039•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals68-12-2Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate68-12-2Not Listed•Calcium sulfate7778-18-9Not Listed•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate67-64-1-•Calcium sulfate65997-17-3Not Listed <td< td=""><td></td><td></td><td></td></td<>			
U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII Visite Not Listed -2-Butanone 78-93-3 Included in waste streams: F005, F039 -Acetone 67-64-1 Included in waste streams: F039 -Calcium sulfate 7778-18-9 Not Listed -Glass, oxide, chemicals 65997-17-3 Not Listed -S-Butanone 68-12-2 Not Listed -S-Butanone 68-12-2 Not Listed -S-Butanone 68-12-2 Not Listed -S-Butanone 68-12-2 Not Listed -S-Butanone 67-64-1 - -Calcium sulfate 7778-18-9 Not Listed -S-Butanone 67-64-1 - -S-Butanone 68-12-2 Not Listed -S-Butanone 68-12-2 Not Listed -S-Butanone 67-64-1 - -S-Butanone 67-64-1 - -S-Butanone 68-12-2 Not Listed -S-Butanone 67-64-1 - -Calcium sulfate 7778-18-9 Not Listed		05997-17-5	
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*Acetone 67-84-1 F039 • Calcium sulfate 7778-18-9 Not Listed • Glass, oxide, chemicals 65997-17-3 Not Listed U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring - - • Formamide, N,N-dimethyl- 68-12-2 Not Listed • 2-Butanone 78-93-3 - • Acetone 67-64-1 - • Calcium sulfate 7778-18-9 Not Listed • Calcium sulfate 778-18-9 Not Listed • Calcium sulfate 7778-18-9 Not Listed • Calcium sulfate 68-12-2 Not Listed • Calcium sulfate 67-64-1 - • Calcium sulfate 7778-18-9 Not Listed • Calcium sulfate 7778-18-9 Not Listed • Calcium sulfate 7778-18-9 Not Listed • Calcium sulfate 7778-18-9			
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U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not ListedU.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not ListedVot Listed•Calcium sulfate778-18-9Not ListedVot Listed•Calcium sulfate67-64-1Vot ListedVot Listed•Calcium sulfate7778-18-9Not ListedVot Listed•Calcium sulfate7778-18-9Not ListedVot Listed•Calcium sulfate7778-18-9Not ListedVot Listed•Calcium sulfate7778-18-9Not ListedVot Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedVot ListedU.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment StanderVot ListedU.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Stander0.28 mg/L (wastewater); 36•Formamide, N,N-dimethyl-68-12-2Not Listed•Commande, N,N-dimethyl-68-12-2Not Listed•Calcium sulfate778-93-3Not Listed•Calcium sulfate778-93Not Listed•Calcium sulfate778-93Not Listed•Calcium sulfate78-93-3Not Listed•Calc	•Calcium sulfate	7778-18-9	
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•Formamide, N,N-dimethyl- 68-12-2 Not Listed •2-Butanone 78-93-3 •Acetone 67-64-1 •Calcium sulfate 7778-18-9 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents		oring	
•2-Butanone 78-93-3 •Acetone 67-64-1 •Calcium sulfate 7778-18-9 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents Not Listed •Formamide, N,N-dimethyl- 68-12-2 Not Listed •2-Butanone 78-93-3 - •Acetone 67-64-1 - •Calcium sulfate 67-64-1 - •Calcium sulfate 7778-18-9 Not Listed •Acetone 67-64-1 - •Calcium sulfate 67-64-1 - •Calcium sulfate 65997-17-3 Not Listed •Glass, oxide, chemicals as Glass wool fiber 7778-18-9 Not Listed •Glass, oxide, chemicals as Glass wool fiber 7778-18-9 Not Listed •Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed •Glass, oxide, chemicals as Glass wool fiber Not Listed Not Listed •Lost - Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Textment Start Not Listed •Sormamide, N,N-dimethyl- 68-12-2 Not Listed <t< td=""><td></td><td></td><td>Not Listed</td></t<>			Not Listed
•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed U.S. • RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents	•	78-93-3	
•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed U.S. • RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents	•Acetone	67-64-1	
•Glass, oxide, chemicals65997-17-3Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed•Glass, oxide, nemicals as Glass wool fiberNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed	•Calcium sulfate		Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot ListedU.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment StandardNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Acetone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater); 160 mg/kg (nonwastewater)			
•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-3•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Calass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment StandNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			
•2-Butanone78-93-3•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Calcium sulfate65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Calcium sulfate68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)		68-12-2	Not Listed
•Acetone67-64-1•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)		78-93-3	
•Calcium sulfate7778-18-9Not Listed•Glass, oxide, chemicals65997-17-3Not Listed•Glass, oxide, chemicals as Glass wool fiberNot ListedNot Listed•U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Teatment StartNot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)		67-64-1	
•Glass, oxide, chemicals65997-17-3Not Listed Not Listed•Glass, oxide, chemicals as Glass wool fiberNot Listed U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Teatment Stand Not Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			Not Listed
•Glass, oxide, chemicals as Glass wool fiberNot ListedU.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standardsvot Listed•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			
U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			
•Formamide, N,N-dimethyl-68-12-2Not Listed•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)		eatment Stand	
•2-Butanone78-93-30.28 mg/L (wastewater); 36 mg/kg (nonwastewater)•Acetone67-64-10.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			
•Acetone 67-64-1 0.28 mg/kg (nonwastewater) 0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)			
•Acetone mg/kg (nonwastewater)	•2-Butanone	78-93-3	mg/kg (nonwastewater)
•Calcium sulfate 7778-18-9 Not Listed	•Acetone	67-64-1	
	•Calcium sulfate	7778-18-9	Not Listed

•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Mon	-	
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	
•Acetone	67-64-1	
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Characteristics	wastes & Othe	er Hazardous
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
" omamide, N, N-amethyi-	00-12-2	waste number U159
•2-Butanone	78-93-3	(Ignitable waste, Toxic waste)
•Acetone	67-64-1	waste number U002 (Ignitable waste)
•Calcium sulfate	7778-18-9	Not Listed
United States - California		
United States - Camornia		
Environment		
U.S California - Proposition 65 - Carcinogens List		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		carcinogen, initial date 7/1/90 (inhalable and biopersistent)
U.S California - Proposition 65 - Developmental Toxicity		bioporolotonty
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber 		Not Listed
U.S California - Proposition 65 - No Significant Risk Levels (NSRL)		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - Female	CO 40 0	NI-41 -4
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed
•Calcium sulfate	7778-18-9	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - Male		

 Formamide, N,N-dimethyl- 2-Butanone Acetone Calcium sulfate Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber 	68-12-2 78-93-3 67-64-1 7778-18-9 65997-17-3	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
United States - Pennsylvania		
Labor		
U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
 Formamide, N,N-dimethyl- 	68-12-2	Not Listed
•2-Butanone	78-93-3	
•Acetone	67-64-1	
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
•Acetone	67-64-1	Not Listed

•Glass, oxide, chemicals

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

15.3 Other Information

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 16 - Other Information

Relevant Phrases (code & full text)

•	,
	 H226 - Flammable liquid and vapour H312 - Harmful in contact with skin H332 - Harmful if inhaled
	R10 - Flammable. R20/21 - Harmful by inhalation and in contact with skin.
Last Revision Date	• 24/August/2021
Preparation Date	• 27/May/2015

65997-17-3 Not Listed

Disclaimer/Statement • The information and recommendations contained in this Safety Data Sheet (SDS) are supplied pursuant to the Occupational Safety and Health Administration's Hazard Communication of Liability Standard as promulgated under 29 CFR 1910.1200 and the United States Environmental Protection Agency's Supplier Notification Rule as promulgated under 40 CFR 372.45. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in the proper procedures of safe chemical handling. The information contained herein is provided in good faith with no representation as to its comprehensiveness or accuracy. No representations or warranties, either express or implied, of merchantability, or fitness for a particular purpose or of any nature are made with respect to the material described in this Safety Data Sheet. Chemical additions or processing or otherwise altering this material may make the safety information presented in this Safety Data Sheet incomplete, inaccurate or otherwise inappropriate. The information listed above does not include all state, federal, and international regulations. The regulatory information supplied may change from time to time. It is the user's responsibility to keep advised of all applicable regulatory requirements.