

Safety Data Sheet

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

1.1 Product identifier

Product Name N5000 Prepreg

Synonyms N5000 Fiberglass Prepreg

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

Relevant identified

Prepreg for consumer and industrial electronics.

use(s)

Use(s) advised against Consumer goods in direct contact with food stuffs, potable water, or continuous skin

1.3 Details of the supplier of the safety data sheet

North America Europe Asia Manufacturer

AGC Multi Material AGC Multi Material Singapore AGC Multi Material

Europe S.A. America, Inc. PTE, Ltd

1420 W. 12th Place 4 Gul Crescent Route des Usines, BP25 65303, Lannemezan, Tempe, AZ 85281 Jurong, Singapore 629520 Cedex, France **United States**

www.agc-multimaterial.com agc-ml.digital-po@agc.com

1.4 Emergency telephone number

1-480-967-5600- (8AM -+65 6861 7117 - Asia +33-5-62-98-52-90- Europe (8AM-4PM M-F) 5PM CST) 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]

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

2.1 Classification of the substance or mixture

CLP Not Classified DSD/DPD Not Classified

2.2 Label Elements

CLP

Hazard No label element(s) required.

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.

 Under European Directive 1999/45/EC these product(s) are exempt and considered manufactured DSD/DPD

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

OSHA HCS

• 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

2012

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.

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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	<0.1%				
-	EU Index:616-001-00-X					
	CAS :67-64-1					
Acetone	EC Number:200-662-2	<1%				
	EU Index:606-001-00-8					
P staged PT Enougy regin mixture	CAS:NA	30% TO 60%				
B-staged BT Epoxy resin mixture	EC Number:NA	30% 10 60%				
Class svids shamisals	CAS:65997-17-3	30% TO 65%				
Glass, oxide, chemicals	EC Number: 266-046-0	30% 10 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.

Skin

• 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.

Eye

• 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.

Ingestion

• 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

Notes to Physician 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.

Section 5 - Firefighting Measures

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

• Do not use straight streams.

Extinguishing Media

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Hazardous polymerization will occur at elevated temperatures

Hazardous Combustion • Nitrous Oxides, Aldehydes, Carbon Monoxide, Various Acids.

Products

5.3 Advice for firefighters

 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.

Emergency **Procedures** • 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-up • Avoid generating dust.

Measures Carefully 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; 1185 mg/m3 TWA		500 ppm TWA; 1200 mg/m3 TWA	250 ppm TWA		
Formamide, N,N- dimethyl- (68-12-2)	TWAs	10 ppm 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		200 ppm TWA; 590 mg/m3 TWA	50 ppm TWA		
Glass, oxide, chemicals as Glass wool fiber	TWAs	membrane filter method at 400-450X	0.5 fibre/mL TWA (listed under Synthetic mineral fibres) as Glass wool fiber	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		
		Fxnc	sure Limits/Guide	lines (Con't)				
	Resu	•	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut		
Acetone	STELs	750 ppm STEL	750 ppm STEL; 1782 mg/m3 STEL	1250 ppm STEL; 297 mg/m3 STEL	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; 30 mg/m3 TWA	10 ppm TWA	10 ppm TWA; 30 mg/m3 TWA		
(68-12-2)	STELs	Not established	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; 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; 590 mg/m3 TWA	200 ppm TWA	200 ppm TWA; 590 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		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	length >5 µm, aspect ratio >=3:1, as determined by	μm); 5 mg/m3 r TWA (total mass)		

		phase-contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber			using phase- contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber	
		Expo	sure Limits/Guideli	nes (Con't)		
	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
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	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); to 10 mg/m3 TWA (dust or fiberous) as Glass wool fiber	
		Expo	sure Limits/Guideli	nes (Con't.)		
	Result	Czech Republic	Denmark	France	Germany DFG	Germany TRGS
	Ceilings	1500 mg/m3 Ceiling	Not established	Not established	1000 ppm Peak; 2400 mg/m3 Peak	Not established
Acetone	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
Formamide, N,N-	Ceilings	30 mg/m3 Ceiling	Not established		10 ppm Peak; 30 mg/m3 Peak	Not established
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,
	STELs	Not established	Not established	30 mg/m3 STEL [VLCT] (restrictive limit); 10 ppm STI [VLCT] (restrictive limit)	EL Not established	exposure factor 2) Not established
	MAKs	Not established	Not established	Not established	5 ppm TWA MA 15 mg/m3 TWA MAK	
	Ceilings	900 mg/m3 Ceiling	Not established	Not established	200 ppm Peak; 600 mg/m3 Pea	
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)		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
Glass, oxide, chemicals as Glass wool fiber	TWAs	Not established	1 fiber/cm3 TWA as Glass wool fiber	Not established	Not established	Not established
		Exp	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;	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

		1_	T14/4 /=					I_	T14/4 /=	40	051 66
Formamide,	TWAs		ppm TWA; 15 g/m3 TWA	Not e	stablished	10 ррі	10 ppm TWA 5 ppm mg/m3				m OEL; 30 3 OEL
N,N-dimethyl- (68-12-2)	STELs	STELs 10 ppm STEL; 30 mg/m3 STEL Not est		ot established Not established B		10 ppm STEL Breve termine; 30 mg/m3 STEL Breve termine		Not established			
	TWAs		0 ppm TWA; 600 g/m3 TWA		opm TWA; 590 n3 TWA	200 p _l	pm TWA		pm TWA; ng/m3 TWA		pm OEL; 590 3 OEL
2-Butanone (78-93-3)	STELs		0 ppm STEL; 900 g/m3 STEL		opm STEL; 885 n3 STEL	300 p	pm STEL	Breve 900 n	ppm STEL e termine; ng/m3 STEL e termine	Night and a blish and	
Glass, oxide, chemicals as Glass wool fiber	TWAs	No	ot established	Not e	stablished	(respin length aspect excep mineral under vitreon	r/cm3 TWA rable fibers: 1 >5 µm, t ratio >=3:1, t asbestiform als, listed Synthetic us fibers) ass wool fiber	Not e	stablished		r/cm3 OEL ass wool fiber
			Expo	sure	Limits/Gui	delines	(Con't.)				
	Result		Korea		Malays		Netherlar	nds	NIOSH		OSHA
Acetone	TWAs	N	00 ppm TWA (Seri lo. 354); 1188 mg/r WA (Serial No. 354	m3	500 ppm TWA mg/m3 TWA		1210 mg/m3		250 ppm TW 590 mg/m3		1000 ppm TWA; 2400 mg/m3 TWA
(67-64-1)	(67-64-1)		750 ppm STEL (Serial No. 354); 1782 mg/m3 STEL (Serial No. 354)				2420 mg/m3 STEL		Not establish	ned	Not established
Formamide, N,N dimethyl-	TWAs	0	10 ppm TWA (Serial No. 077); 30 mg/m3 TWA (Serial No. 077)				15 mg/m3 T	WA	10 ppm TWA mg/m3 TWA		10 ppm TWA; 30 mg/m3 TWA
(68-12-2)	STELs	N	ot established		Not establishe	ed	30 mg/m3 S	TEL	Not establish	ned	Not established
2-Butanone	TWAs	N	00 ppm TWA (Serial lo. 228); 590 mg/m3 WA (Serial No. 228)		200 ppm TWA; 590 mg/m3 TWA		590 mg/m3	TWA	200 ppm TW 590 mg/m3		200 ppm TWA; 590 mg/m3 TWA
(78-93-3)	STELs	N	00 ppm STEL (Ser lo. 228); 885 mg/m TEL (Serial No. 22); 885 mg/m3		Not established 90		STEL	300 ppm ST 885 mg/m3 \$		Not established
Glass, oxide, chemicals	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]		e 2 fibers/cm3 ii 60X MAC-TGG comm log as Glass wool fiber		3 fiber/cm3 7 (fibers <= 3.9 in diameter a >= 10 µm in length); 5 mg TWA (total) as Glass wo fiber	5 μm and g/m3	Not established				
			Evne	SIIr	as Glass wool		(Con't)				
	Re	sult		japor			South Africa			Sr	pain
Acetone	STE		1000 ppm STEL;				m STEL; 3560		Not established		
(67-64-1)	TWA	S	750 ppm PEL; 17	80 mg	g/m3 PEL	750 ppm TWA	750 ppm TWA; 1780 mg/m3		500 ppm TWA [VLA-ED] (indicative limit value); 1210		

				mg/m3 TWA [VLA-ED] (indicative limit value)
	Biological Limit Values (BLV)	Not established	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 TWA	5 ppm TWA [VLA-ED] (indicative limit value); 15 mg/m3 TWA [VLA-ED] (indicative limit value)
Formamide, N,N- dimethyl-	STELs	Not established	20 ppm STEL; 60 mg/m3 STEL	10 ppm STEL [VLA-EC]; 30 mg/m3 STEL [VLA-EC]
(68-12-2)	Biological Limit Values (BLV)	Not established	Not established	15 mg/L urine end of shift N-Methylformamide (2); 40 mg/L urine start of last shift of workweek 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)
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

•M/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 Measures/Controls

 Good general ventilation should be used. Ventilation rates should be matched to conditions. If 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

OSHA = Occupational Safety and Health Administration

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

Wear chemical splash safety goggles.

Skin/Body

Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

Environmental Exposure Controls

• Controls should be engineered to prevent release to the environment, including procedures to 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 STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value = Biological Exposure Indices

= Threshold Limit Value determined by the American Conference of = Maximale Arbeitsplatz Konzentration is the maximum permissible

Governmental Industrial Hygienists (ACGIH) concentration

NIOSH = National Institute of Occupational Safety and Health TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

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Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

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 a 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, HCN

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

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; Liver:Hepatitis (hepatocellular necrosis), diffuse; Liver:Changes in liver weight; Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Phosphatases; Mutagen: Cytogenetic analysis • Inhalation-Human • 12300 μg/m³ 1 Year(s); Reproductive: Inhalation-Rat TCLo • 4 mg/m³ 4 Hour(s)(1-19D preg); Reproductive Effects:Effects on Fertility:Pre-implantation mortality; Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Effects on Embryo or Fetus:Fetal death; Tumorigen / Carcinogen: Inhalation-Rat TCLo • 200 ppm 6 Hour(s) 104 Week(s)-Intermittent; Liver:Tumors; Tumorigenic:Neoplastic by RTECS criteria					
2-Butanone (< 1%)	78-93-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2737 mg/kg; Inhalation-Rat LC50 • 23500 mg/m³ 8 Hour(s); Inhalation-Human TCLo • 1000 mg/m³; 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; Behavioral:Altered sleep time (including change in righting reflex); Behavioral:Tremor; Inhalation-Rat LC50 • 50100 mg/m³ 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); Reproductive Effects:Paternal Effects:Spermatogenesis; Inhalation-Rat TCLo • 11000 ppm (6-19D preg); Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities					
Glass, oxide, chemicals (30% TO 65%)	65997- 17-3	Multi-dose Toxicity: Inhalation-Rat TCLo • 16 mg/m³ 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) • No data available.

Skin

Acute (Immediate) • May cause mild irritation.

Chronic

• No data available.

(Delayed)

Eye

Acute

• May cause mild eye irritation (dust).

(Immediate)

• No data available.

Chronic (Delayed) Ingestion

Acute

(Immediate)

• No data available.

Chronic (Delayed) No data available.

Mutagenic Effects No data available.

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 Effects

• No data available.

Key to abbreviations

TD = Toxic Dose

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

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

Product waste

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.

Packaging waste

• 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

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- None specified.
- 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 Classifications

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				
Glass, oxide, chemicals	65997-17- 3	Yes	No	Yes				

Inventory							
Component	CAS	Canada DSL	Canada NDSL	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	
Glass, oxide, chemicals	65997-17- 3	Yes	No	Yes	Yes	No	
			Inventory (Co	on't)			

Inventory (Con't.)								
Component	CAS	Japan ENCS	Korea KECL	TSCA				
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				
Glass, oxide, chemicals	65997-17-3	Yes	Yes	Yes				

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

•Formamide, N,N-dimethyl- 68-12-2 Not Listed •2-Butanone 78-93-3 Not Listed

Nouvo Prepreg GHS SDS					
•Acetone	67-64-1	Not Listed			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
•Glass, oxide, chemicals as Glass wool fiber		Not Listed			
Australia - High Volume Industrial Chemicals 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			
•Glass, oxide, chemicals as Glass wool fiber	20007 11 0	Not Listed			
Australia - List of Designated Hazardous Substances - Classification					
•Formamide, N,N-dimethyl-	68-12-2	Xn, Xi Repr.Cat.2 R61,			
		R20/21, R36			
•2-Butanone	78-93-3	F, Xi R11, R36, R66, R67			
•Acetone	67-64-1	F, Xi R11, R36, R66, R67			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
•Glass, oxide, chemicals as Glass wool fiber		Not Listed			
Environment (NE) October 1971					
Australia - National Pollutant Inventory (NPI) Substance List	60.40.0	Not Listed			
•Formamide, N,N-dimethyl-	68-12-2	Not Listed			
•2-Butanone	78-93-3	10 tonne/yr Threshold			
		category 1			
•Acetone	67-64-1	10 tonne/yr Threshold category 1			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
•Glass, oxide, chemicals as Glass wool fiber		Not Listed			
Australia - Ozone Protection Act - Scheduled 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 •Glass, oxide, chemicals as Glass wool fiber	33307 17-0	Not Listed			
Australia - Priority Existing Chemical Program		. Tot Liotod			
•Formamide, N,N-dimethyl-	68-12-2	Candidate chemical			
•2-Butanone	78-93-3	Candidate chemical			
•Acetone	67-64-1	Not Listed			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	30007-11-0	Not Listed			
		. Tot Liotod			
Canada					
Labor					
Canada - WHMIS - Classifications of Substances					
•Formamide, N,N-dimethyl-	68-12-2	Not Listed			
•2-Butanone	78-93-3	B2, D2B			
•Acetone	67-64-1	B2, D2B			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
		Uncontrolled product			
		according to WHMIS			
•Glass, oxide, chemicals as Glass wool fiber		classification criteria (listed			
		under Glass wool); D2A (listed under Mineral wool			
		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 %			
•Glass, oxide, chemicals	65997-17-3	Not Listed			
•Glass, oxide, chemicals as Glass wool fiber		Not Listed			
Environment					

Environment

Canada - CEPA - Priority Substances List

N5000 Prepreg GHS SDS

1 8		
•Formamide, N,N-dimethyl-	68-12-2	Priority Substance List 2 (substance not considered
•2-Butanone	78-93-3	toxic) Not Listed
•Acetone	67-64-1 65997-17-3	Not Listed
Glass, oxide, chemicalsGlass, oxide, chemicals as Glass wool fiber	05997-17-5	Not Listed Not Listed
Europe		Not Elotod
Other		
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
•Formamide, N,N-dimethyl-	68-12-2	Xn; R20/21 Xi; R36 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
•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 - Concentration Limits •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
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling	00.40.0	T D 04 00/04 00 0 50 45
•Formamide, N,N-dimethyl- •2-Butanone	68-12-2 78-93-3	T R:61-20/21-36 S:53-45 F Xi R:11-36-66-67 S:(2)-9-
		16 F Xi R:11-36-66-67 S:(2)-9-
•Acetone	67-64-1	16-26
Glass, oxide, chemicalsGlass, oxide, chemicals as Glass wool fiber	65997-17-3	Not Listed Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		Not Listed
•Formamide, N,N-dimethyl-	68-12-2	E
•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 EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		Not Listed
•Formamide, N,N-dimethyl-	68-12-2	S:53-45
•2-Butanone	78-93-3	S:(2)-9-16
•Acetone	67-64-1	S:(2)-9-16-26
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany		
Environment TA L # T T T T T T T T T T T T T T T T T T		
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	00.40.0	NI-A I S-AI
•Formamide, N,N-dimethyl- •2-Butanone	68-12-2 78-93-3	Not Listed 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

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	1.5000 Trepleg dila 525		
	•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		. 101 2.010 2
	•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	00007 17 0	Not Listed
	Germany - TA Luft - Emission Limits for Inorganic Gases		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	00001-11-0	Not Listed
	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
			Not Listed
	•Glass, oxide, chemicals	65997-17-3	
	•Glass, oxide, chemicals as Glass wool fiber		Not Listed
	Germany - Water Classification (VwVwS) - Annex 1 •Formamide, N,N-dimethyl-	68-12-2	Not Listed
	•2-Butanone	78-93-3	Not Listed
		67-64-1	
	•Acetone		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		ID Number 92 beyond alone
	•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
	-2-batanone	70-95-5	waters
			ID Number 6, hazard class 1
	•Acetone	67-64-1	- 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
Ur	nited States		
La	bor		
	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
	•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
	•Glass, oxide, chemicals	65997-17-3	Not Listed
	•Glass, oxide, chemicals as Glass wool fiber		Not Listed

*2-Butanone *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals *Glass, oxi	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3	formamide) Not Listed Not Listed Not Listed (including mineral fiber emissions from facilities manufacturing or proces glass, rock, or slag fiber other mineral derived fib of average diameter 1 µ less) 100 lb final RQ; 45.4 kg RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
*Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals *Glass, oxide	67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 68-12-2 78-93-3 67-64-1	Not Listed Not Listed (including mineral fiber emissions from facilities manufacturing or proces glass, rock, or slag fiber other mineral derived file of average diameter 1 µ less) 100 lb final RQ; 45.4 kg RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
*Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting *Formamide, N,N-dimethyl- *2-Butanone *Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed (including mineral fiber emissions from facilities manufacturing or proces glass, rock, or slag fiber other mineral derived fib of average diameter 1 µ less) 100 lb final RQ; 45.4 kg RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Formamide, N,N-dimethyl- -2-Butanone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs -Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs -Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs -Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting -Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting -Formamide, N,N-dimethyl- -2-Butanone -Acetone -Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 68-12-2 78-93-3 67-64-1	(including mineral fiber emissions from facilities manufacturing or proces glass, rock, or slag fiber other mineral derived filt of average diameter 1 µ less) 100 lb final RQ; 45.4 kg RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
**Pormamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemic	78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 68-12-2 78-93-3 67-64-1	of average diameter 1 µless) 100 lb final RQ; 45.4 kg RQ 5000 lb final RQ; 2270 kfinal RQ 5000 lb final RQ; 2270 kfinal RQ Not Listed
**Pormamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals as Glass wool fiber **U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs **Formamide, N,N-dimethyl- **2-Butanone **Acetone **Glass, oxide, chemicals **Glass, oxide, chemic	78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 68-12-2 78-93-3 67-64-1	RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
*Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting *Formamide, N,N-dimethyl- *2-Butanone *Acetone *Glass, oxide, chemicals of Glass, oxide, chemicals *Glass, oxide, chemicals of Glass, oxide, chemicals	78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 68-12-2 78-93-3 67-64-1	RQ 5000 lb final RQ; 2270 k final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	final RQ 5000 lb final RQ; 2270 k final RQ Not Listed
Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Formamide, N,N-dimethyl2-Butanone -Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs -Formamide, N,N-dimethyl2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs -Formamide, N,N-dimethyl2-Butanone -Acetone -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting -Formamide, N,N-dimethyl2-Butanone -Acetone -Acetone -Glass, oxide, chemicals	65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	final RQ Not Listed
Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed
Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals	78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed
Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals	67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals	65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	78-93-3 67-64-1	Not Listed Not Listed Not Listed Not Listed
Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals	78-93-3 67-64-1	Not Listed Not Listed Not Listed
22-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 22-Butanone Glass, oxide, chemicals Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 22-Butanone Acetone Glass, oxide, chemicals	78-93-3 67-64-1	Not Listed Not Listed Not Listed
Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Glass, oxide, chemicals Glass, oxide, chemicals	67-64-1	Not Listed Not Listed
Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	65997-17-3	
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals		Not Listed
22-Butanone Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 22-Butanone Acetone Glass, oxide, chemicals		. 101 _1010 4
Acetone Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- C2-Butanone Acetone Glass, oxide, chemicals	68-12-2	Not Listed
Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- C2-Butanone Acetone Glass, oxide, chemicals	78-93-3	Not Listed
Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Section 313 - Emission Reporting Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	67-64-1	Not Listed
U.S CERCLA/SARA - Section 313 - Emission Reporting Prormamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals	65997-17-3	Not Listed
Formamide, N,N-dimethyl- 2-Butanone Acetone Glass, oxide, chemicals		Not Listed
Acetone eGlass, oxide, chemicals	68-12-2	1.0 % de minimis
Acetone eGlass, oxide, chemicals	78-93-3	concentration Not Listed
Glass, oxide, chemicals	67-64-1	Not Listed
	65997-17-3	Not Listed
Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing •Formamide, N,N-dimethyl-	68-12-2	Not Listed
	78-93-3	Not Listed
	67-64-1	Not Listed
	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber	-	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII •Formamide, N,N-dimethyl-	68-12-2	Not Listed
		Included in waste strear F005, F039
*Acetone	78-93-3	

U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detection •Formamide, N,N-dimethyl-	Monitoring 68-12-2	Not Listed
•2-Butanone	78-93-3	
•Acetone	67-64-1	
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constitu	uents	
•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
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - University		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	0.28 mg/L (wastewater); 36 mg/kg (nonwastewater)
•Acetone	67-64-1	0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water	_	NI (III (I
•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 RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Characteristics		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	waste number U159 (Ignitable waste, Toxic waste)
•Acetone	67-64-1	waste number U002 (Ignitable waste)
Inited States - California		
nvironment		
U.S California - Proposition 65 - Carcinogens List	00.40.0	Ni di Cara
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•2-Butanone	78-93-3	Not Listed
	07.04.4	ALCIEC I
•Acetone	67-64-1	Not Listed
•Acetone •Glass, oxide, chemicals	67-64-1 65997-17-3	Not Listed
•Glass, oxide, chemicals		Not Listed carcinogen, initial date 7/1/90 (inhalable and
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber		Not Listed carcinogen, initial date 7/1/90 (inhalable and
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity	65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent)
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl-	65997-17-3 68-12-2	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent)
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone	65997-17-3 68-12-2 78-93-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 78-93-3 67-64-1	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed Not Listed Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)	68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl-	68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - No Significant Risk Levels (NSRL)	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - No Significant Risk Levels (NSRL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Developmental Toxicity •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) •Formamide, N,N-dimethyl- •2-Butanone •Acetone •Glass, oxide, chemicals as Glass wool fiber U.S California - Proposition 65 - No Significant Risk Levels (NSRL) •Formamide, N,N-dimethyl- •2-Butanone	68-12-2 78-93-3 67-64-1 65997-17-3 68-12-2 78-93-3 67-64-1 65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent) Not Listed

U.S California - Proposition 65 - Reproductive Toxicity - Female				
•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		
U.S California - Proposition 65 - Reproductive Toxicity - Male				
•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 - 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	65997-17-3	Not Listed

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

Preparation Date

Disclaimer/Statement

of Liability

• 15/July/2021

• 27/May/2015

• The information and recommendations contained in this Safety Data Sheet (SDS) are supplied pursuant to the Occupational Safety and Health Administration's Hazard Communication 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

N5000 Prepreg GHS SDS

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.

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