

Safety Data Sheet

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

1.1 Product identifier

Product Name N4000-6 Prepreg

Synonyms • N4000-6, N4000-6 FC, N4000-6NF Fiberglass 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

North America Europe Manufacturer

AGC Multi Material AGC Multi Material AGC Multi Material Singapore

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

United States

Cedex, France

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

1.4 Emergency telephone number

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

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

2.1 Classification of the substance or mixture

CLP • Not ClassifiedDSD/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.

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

OSHA HCS 2012 • 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 :67-56-1					
Methyl Alcohol	EC Number:200-659-6	<0.5%				
	EU Index:					
	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					
Boric Acid	CAS:10043-35-3	<0.5%				
BOTIC ACIU	EC Number:233-139-2	<0.5%				
P staged Energy regin mixture	CAS:NA	30% TO 65%				
B-staged Epoxy resin mixture	EC Number:NA	30% 10 65%				
Glass, oxide, chemicals	CAS:65997-17-3	30% TO 65%				
Glass, Uxide, 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

• LARGE FIRES: Water spray, fog or alcohol-resistant foam.

Media

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, HBr, 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	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			
Methyl alcohol	STELs	250 ppm STEL	250 ppm STEL		250 ppm STEL; 328 mg/m3	250 ppm STEL			
(67-56-1)	TWAs	200 ppm TWA	200 ppm TWA		200 ppm TWA; 262 mg/m3	200 ppm TWA			
Boric Acid (10043-	STELs	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established		Not established	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)			
35-3)	TWAs	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not established		Not established	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)			
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) 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)			

Format: EU CLP/REACH, EU DSD/DPD, WHMIS, and OSHA HCS 2012 Original GHS Format Preparation Date: 30/May/2015 Revision Date: 3/November/2021

						as Glass wool fiber
		Fxno	sure Limits/Guideli	ines (Con't)		noci
	Result		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; 2970 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-	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
dimethyl- (68-12-2)	STELs	Not established		20 ppm STEL; 60 mg/m3 STEL	Not established	20 ppm STEL; 60 mg/m3 STEL
Methyl alcohol	STELs					
(67-56-1)	TWAs					
Boric Acid (10043-35	STELs	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established
Boric Acid (10043-35- 3)	TWAs	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not established
Glass, oxide, chemicals as Glass TV 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 µm with a diameter of <3 µm, aspect ratio >5:1) as Glass wool fiber	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)	or <=3.5 μm and a length >=10 μm); 5 mg/m3 TWA (total mass) as Glass wool fiber
	•	Expo	sure Limits/Guideli	ines (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
(67-56-1)	STELS	250 ppm STEV; 325 mg/m3 STEV	250 ppm STEV; 328 mg/m3 STEV			Not established
(5. 55 1)	TWAs	200 ppm TWAEV; 260	200 ppm TWAEV; 262			25 mg/m3 PC-

		mg/m3 TWAEV	mg/m3 TWAEV			TWA
Boric Acid (10043-	STELs	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established
35-3)	TWAs	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not established	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established
Glass, oxide, chemicals 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)	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				
	Result	Czech Republic	sure Limits/Guideli Denmark	nes (Con't.) 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	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		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 STI [VLCT] (restrictive limit)	EL	Not established	d	Not established
	MAKs	Not established	Not established	Not established		5 ppm TWA M/ 15 mg/m3 TW/ MAK		Not established
	Ceilings	900 mg/m3 Ceiling	Not established	Not established		Not established	t	Not established
	TWAs	100 mg/m3 TWA	200 ppm TWA; 260 mg/m3 TWA	200 ppm TWA [VME]; 260 mg/m TWA [VME]	3	Not established	t	200 ppm TWA; 260 mg/m3 TWA
Methyl alcohol (67-56-1)	STELs	500 mg/m3 STEL	Not established	1000 ppm STEL [VLCT]; 1300 mg/m3 STEL [VLCT]		Not established	d	Not established
	MAKs	Not established	Not established	Not established		Not established	t	Not established
	MAKs	Not established	Not established	Not established MAK; 3		100 ppm TWA MAK; 370 mg/r TWA MAK	m3	Not established
Boric Acid (1004 35-3)	TWA	Not established	Not established	Not established		Not established	d	0.5 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 2)
	Ceilings	Not established	Not established	Not established		10 mg/m3 Peak (inhalable fraction as B)		Not established
	MAKs	Not established	Not established	Not established		10 mg/m3 TWA MAK (inhalable fraction, as B)		Not established
Glass, oxide, chemicals as Glass wool fiber	TWAs	Not established	1 fiber/cm3 TWA as Glass wool fiber	Not established		Not established	t	Not established
		Exp	osure Limits/Guide	elines (Con't.)				
	Result	Greece	India	Israel		Italy	-	Japan
Acetone (67-64-1)	TWAs	1780 mg/m3 TWA	750 ppm TWA; 1780 mg/m3 TWA	500 ppm TWA		ppm TWA; 0 mg/m3 TWA		ppm OEL; 470 m3 OEL
(07-04-1)	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	mg	pm TWA; 15 /m3 TWA		ppm OEL; 30 m3 OEL
N,N-dimethyl- (68-12-2)	STELs	10 ppm STEL; 30 mg/m3 STEL	Not established	Not established	Bre mg/	ppm STEL ve termine; 30 /m3 STEL ve termine	Not	established
Methyl alcohol	TWAs							ppm OEL; 260 m3 OEL
(67-56-1)								

Boric Acid	STELs	Not estab	lished	Not established	6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not esta	ablished	Not established
(10043-35-3)	TWAs	Not estab	lished	Not established	2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	Not esta	ablished	Not established
Glass, oxide, chemicals as Glass wool fiber	TWAs	Not estab	lished	Not established	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, except asbestiform minerals, listed under Synthetic vitreous fibers)	Not esta	blished	1 fiber/cm3 OEL as Glass wool fiber
					as Glass wool fiber			
			Expo	sure Limits/Guide	lines (Con't.)			
	Result		orea	Malaysia	Netherlands		NIOSH	OSHA
Acetone	TWAs	500 ppm TV No. 354); 11 TWA (Serial	188 mg/m3	500 ppm TWA; 1187 mg/m3 TWA	, 1210 mg/m3 TWA		pm TWA; ng/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA
(67-64-1)	STELs	750 ppm STEL (S No. 354); 1782 mg STEL (Serial No. 3		Not established	2420 mg/m3 STEL	Not e	stablished	Not established
Formamide, N,N-dimethyl-	TWAs	10 ppm TW, 077); 30 mg (Serial No. (/m3 TWA	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 establis	hed	Not established	30 mg/m3 STEL	Not e	stablished	Not established
Methyl alcohol	TWAs	200 ppm TV	VA		200 ppm TWA; 260 mg/m3 TWA		pm TWA; ng/m3 TWA	200 ppm TWA; 260 mg/m3 TWA
(67-56-1)	STELs	250 ppm ST	EL		Not established		pm STEL; ng/m3 STEL	Not established
Boric Acid	STELs	Not establis	hed	Not established	Not established	Not e	stablished	Not established
(10043-35-3)	TWAs	Not establis	hed	Not established	Not established	Not e	stablished	Not established
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)		(fibers in dia >= 10 length TWA	r/cm3 TWA s <= 3.5 µm meter and µm in n); 5 mg/m3 (total) ass wool	
				as Glass wool fiber				
		P "		sure Limits/Guide	· · · · · · · · · · · · · · · · · · ·		1	0
		Result		Singapore	South Afric			Spain
Acetone (67-64-1)		STELs	STEL	STEL; 2380 mg/m3	1500 ppm STEL; 3 mg/m3 STEL 750 ppm TWA; 178		Not establi	
(67-64-1)		TWAs	750 ppm P	EL; 1780 mg/m3 PEL	mg/m3 TWA	oU .	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)
Methyl alcohol	STELs	250 ppm STEL		
(67-56-1)	TWAs	200 ppm TWA		
	STELs	Not established	Not established	6 mg/m3 STEL [VLA-EC]
Boric Acid (10043-35-3)	TWAs	Not established	Not established	2 mg/m3 TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
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

Australia

•Methyl alcohol (67-56-1): Skin: (Skin notation)

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)

•Methyl alcohol (67-56-1): 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)

Japan

•Methyl alcohol (67-56-1): Skin: (Skin notation)

Netherlands

- •Formamide, N,N-dimethyl- (68-12-2): Skin: (skin notation)
- •Methyl alcohol (67-56-1): **Skin:** (Skin notation)

Canada Ontario

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

Canada Ouebec

•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

- Boric acid (10043-35-3): Reproductive Toxins: (known or suspected human reproductive toxin with classification from animal data)
- •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

- Boric acid (10043-35-3): Carcinogens: (A4 Not Classifiable as a Human Carcinogen(listed under Borate compounds, inorganic))
- •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)
- •Methyl alcohol (67-56-1): Skin: (Skin potential significant contribution to overall exposure by the cutaneous route)

Germany TRGS

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

Germany DFG

- Boric acid (10043-35-3): Pregnancy: (possible risk to embryo/fetus even if exposure limit adhered to (inhalable fraction, calculated as B))
- •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)
- •Methyl alcohol (67-56-1): 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

- Boric acid (10043-35-3): TLV Basis Critical Effects: (upper respiratory tract irritation (listed under Borate compounds, inorganic))
- •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)

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

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

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.

Revision Date: 3/November/2021

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

= Biological Exposure Indices

= 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

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

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	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

Format: EU CLP/REACH, EU DSD/DPD, WHMIS, and OSHA HCS 2012 Original GHS Format Preparation Date: 30/May/2015 Revision Date: 3/November/2021

• 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- (<0.1%)	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					
Acetone (< 0.1%)		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; Lungs, Thorax, or Respiration: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.

• No data available.

Chronic (Delayed)

Eye

Acute (Immediate) • May cause mild eye irritation (dust).

Chronic

No data available.

(Delayed) Ingestion

Acute

• No data available.

(Immediate)

• No data available.

Chronic (Delayed)

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

Reproductive • No data available.

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

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						
Methyl alcohol	67-56-1	Yes	Yes	Yes						
Formamide, N,N-dimethyl-	68-12-2	Yes	Yes	Yes						
Acetone	67-64-1	Yes	Yes	Yes						
Boric Acid	10043-35-3	No	No	No						
Glass, oxide, chemicals	65997-17- 3	Yes	No	Yes						

	Inventory									
Component	CAS	Canada DS	L Canada NDSL	China	EU EINECS	EU ELNICS				
Methyl alcohol	67-56-1	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				
Boric Acid	10043-35-3	Yes	No	Yes	Yes	No				
Glass, oxide, chemicals	65997-17- 3	Yes	No	Yes	Yes	No				
Inventory (Con't.)										
Compone	Component CAS Japan ENCS Korea KECL TSCA									

Methyl alcohol	67-56-1	Yes	Yes	Yes
Formamide, N,N-dimethyl-	68-12-2	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes
Boric Acid	10043-35-3	Yes	Yes	Yes
Glass, oxide, chemicals	65997-17-3	Yes	Yes	Yes

Australia

а	h	n	r

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring	g Health Monitorin	ıa
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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
•Acetone	67-64-1	
•Boric acid	10043-35-3	
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		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
•Acetone	67-64-1	F, Xi R11, R36, R66, R67
•Boric acid	10043-35-3	Repr. Cat. 2, R60, R61
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Environment		
Australia - National Pollutant Inventory (NPI) Substance List		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•		10 tonne/yr Threshold
•Acetone	67-64-1	category 1
•Boric acid	10043-35-3	Not Listed
•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
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Australia - Priority Existing Chemical Program		
•Formamide, N,N-dimethyl-	68-12-2	Candidate chemical
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Canada		
Labor		
Canada - WHMIS - Classifications of Substances		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	B2, D1A, D2B
•Acetone	67-64-1	B2, D2B
Boric acid	10043-35-3	D2A
•Glass, oxide, chemicals	65997-17-3	Not Listed
· Olass, Oxide, Orienticals	0-11-16-0	NOT LISTER

•Glass, oxide, chemicals as Glass wool fiber Canada - WHMIS - Ingredient Disclosure List •Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Boric acid •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 67-56-1 67-64-1 10043-35-3 65997-17-3	Uncontrolled product according to WHMIS classification criteria (listed under Glass wool); D2A (listed under Mineral wool fiber) 1 % 1 % 1 % 1 % Not Listed Not Listed
Environment Canada - CEPA - Priority Substances List		
•Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Boric acid •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 67-56-1 67-64-1 10043-35-3 65997-17-3	Priority Substance List 2 (substance not considered toxic) Not Listed Not Listed Not Listed Not Listed Not Listed
Europe		
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
 •Methyl alcohol •Acetone •Boric acid •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits 	67-56-1 67-64-1 10043-35-3 65997-17-3	F; R11 Xn; R23/24/25 R39 F; R11 Xi; R36 R66 R67 Repr. Cat. 2, R60-61 Not Listed Not Listed
•Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Boric acid	68-12-2 67-56-1 67-64-1 10043-35-3	Not Listed Not Listed Not Listed 5.5%<=C: Repr. Cat 2, R:60-61
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling •Formamide, N,N-dimethyl-	65997-17-3 68-12-2	Not Listed Not Listed T R:61-20/21-36 S:53-45 F Xn R:11-23-24-25-39
•Methyl alcohol	67-56-1	S:(2)-7-16-36-37-47
•Acetone	67-64-1	F Xi R:11-36-66-67 S:(2)-9- 16-26
 Boric acid Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations 	10043-35-3 65997-17-3	T R:60-61 S:53-45 Not Listed Not Listed
Formamide, N,N-dimethyl- Methyl alcohol Acetone Boric acid Glass, oxide, chemicals	68-12-2 67-56-1 67-64-1 10043-35-3 65997-17-3	E Not Listed Not Listed Not Listed 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
Methyl alcohol	67-56-1	S:(2)-7-16-36-37-47
•Acetone	67-64-1	S:(2)-9-16-26
•Boric acid	10043-35-3	S: 53-45
•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
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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 Carcinogenic Substances		TTO LISTOG
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
Boric acid	10043-35-3	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
Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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	68-12-2	Not Listed
•Formamide, N,N-dimethyl-	67-56-1	Not Listed
Methyl alcohol Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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 Elotod
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
Germany - Water Classification (VwVwS) - Annex 1		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed

Formamide N.N-dimethyl-	Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
-Methyl alcohol	, ,	00.40.0	ID Number 83, hazard class
Methyl alcohol	•Formamide, N,N-dimetnyl-	68-12-2	
Foreigne 10 10 10 10 10 10 10 1	•Methyl alcohol	67-56-1	class 1 - low hazard to
Pofic acid 10043-35- 2 2 2 2 2 2 2 2 2	•Acetone	67-64-1	- low hazard to waters
- Glass, oxide, chemicals as Glass wool fiber Germany - Water Classification (VwWs) - Annex 3	•Boric acid	10043-35-3	class 1 – low hazard to
Cermany - Water Classification (VwVwS) - Annex 3	•Glass, oxide, chemicals	65997-17-3	Not Listed
Formamide, N,N-dimethyl- Methyl alcohol 67-56-1 Not Listed Acetone 67-64-1 Not Listed Acetone 67-66-1 Not Listed Acetone 67-66-1 Not Listed Acetone 67-64-1 Not Listed Acetone			Not Listed
Methyl alcohol			
Acetone			
-Boric acid -Glass, oxide, chemicals -Glass, oxide, chemicals as Glass wool fiber United States Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals -Formamide, N,N-dimethylMethyl alcohol -Acetone -Boric acid -Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals -Formamide, N,N-dimethylMethyl alcohol -Acetone -Boric acid -Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals -Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals -Class, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals -Class, oxide, chemicals -Class, oxide, chemicals -Class, oxide, chemicals -Class, oxide, chemicals -Glass, oxide, chemicals	·		
•Glass, oxide, chemicals as Glass wool fiber United States Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals •Formamide, N.N-dimethyl- •Acetone 67-66-1 Not Listed •Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals •Formamide, N.N-dimethyl- •Acetone 67-66-1 Not Listed •Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals •Formamide, N.N-dimethyl- •Acetone 67-66-1 Not Listed •Acetone 68-12-2			
United States Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals - Formamide, N,N-dimethyl Methyl alcohol - Acetone - Boric acid - Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals - Formamide, N,N-dimethyl Methyl alcohol - Rosine acid - Class, oxide, chemicals - Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals - Formamide, N,N-dimethyl Methyl alcohol - Acetone - Boric acid - Glass, oxide, chemicals - Glass, oxide, chemicals - Class, oxide, c			
Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Formamide, N.N-dimethyl- 68-12-2 Not Listed 10043-35-3 Not	• •	05997-17-3	
Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals Formamide, N.N-dimethyl- 68-12-2 Not Listed 67-56-1 Not Listed N			Not Listed
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals			
Formamide, N,N-dimethyl-			
-Methyl alcohol 67-56-1 Not Listed -Acetone 67-64-1 Not Listed -Boric acid 10043-35-3 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 812-2 Not Listed -Formamide, N,N-dimethyl- 68-12-2 Not Listed -Methyl alcohol 67-56-1 Not Listed -Acetone 67-64-1 Not Listed -Boric acid 10043-35-3 Not Listed -Glass, oxide, chemicals as Glass wool fiber Kot Listed Not Listed Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Kot Listed (including mineral fiber dimensions) -Methyl alcohol 67-56-1 Listed Not Listed -Acetone 67-64-1 Not Listed -Glass, oxide, chemicals 65997-17-3 Not Listed -Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed -Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed		60 12 2	Not Listed
•Acefone 67-64-1 Not Listed •Boric acid 10043-35-3 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 8-12-2 Not Listed •Methyl alcohol 67-56-1 Not Listed •Methyl alcohol 67-56-1 Not Listed •Boric acid 10043-35-3 Not Listed •Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants ** (listed under Dimethyl formamide) •Methyl alcohol 67-56-1 Listed Not Listed •Acetone 67-64-1 Not Listed Not Listed •Class, oxide, chemicals 65997-17-3 Not Listed Not Listed •Class, oxide, chemicals as Glass wool fiber 67-66-1 Listed •Class, oxide, chemicals as Glass wool fiber 67-97-10 Not Listed •Class, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed •Class, oxi			
-Boric acid 10043-35-3 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 -Methyl alcohol 67-56-1 Not Listed Not Listed -Acetone 67-64-1 Not Listed Not Listed -Boric acid 10043-35-3 Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Listed (listed under Dimethyl formamide) -Methyl alcohol 67-56-1 Listed Listed -Acetone 67-64-1 Not Listed Not Listed -Boric acid 10043-35-3 Not Listed Not Listed -Glass, oxide, chemicals 65997-17-3 Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed Not Listed -Glass, oxide, chemicals as Glass wool fiber	·		
•Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals +Formamide, N,N-dimethylMethyl alcohol -Acetone -Boric acid -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Glass, oxide, chemicals as Glass wool fiber Formamide, N,N-dimethylGlass, oxide, chemicals -Glass, oxide, N,N-dimethylGlass, oxide, chemicals -Glass, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants -Formamide, N,N-dimethylAcetone -Acetone -Acetone -Acetone -Acetone -Acetone -Glass, oxide, chemicals as Glass wool fiber -Class, oxide, chemicals -Glass, oxide, chemicals -Glass, oxide, chemicals -Glass, oxide, chemicals -Glass, oxide, chemicals as Glass wool fiber -CERCLA/SARA - Hazardous Substances and their Reportable Quantities -Formamide, N,N-dimethylMethyl alcohol -Acetone -A			
-Glass, oxide, chemicals as Glass wool fiber U.S OSHA - Specifically Regulated Chemicals +Formamide, N,N-dimethyl Methyl alcohol - Acetone - Boric acid - Glass, oxide, chemicals - Glass, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants - Class, oxide, chemicals - Class, oxide, chemicals - Class, oxide, chemicals - Class, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants - Formamide, N,N-dimethyl Methyl alcohol - Acetone - Boric acid - Class, oxide, chemicals as Glass wool fiber - Class, oxide, chemicals as			
*Formamide, N,N-dimethyl- 68-12-2 Not Listed *Methyl alcohol 67-56-1 Not Listed *Acetone 67-64-1 Not Listed *Boric acid 10043-35-3 Not Listed *Glass, oxide, chemicals 65997-17-3 Not Listed *Glass, oxide, chemicals as Glass wool fiber **Not Listed Not Listed Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants *Formamide, N,N-dimethyl- 68-12-2 (listed under Dimethyl formamide) *Methyl alcohol 67-56-1 Listed *Acetone 67-64-1 Not Listed *Glass, oxide, chemicals 65997-17-3 Not Listed *Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed *U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities **Ont Listed (including mineral fiber emissions from facilities manufacturing or processing 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 **Formamide, N,N-dimethyl- 68-12-2 100 lb final RQ; 45.4 kg final RQ final RQ *Methyl alcohol 67-56-1 5000 lb final RQ; 2270 kg final RQ	•Glass, oxide, chemicals as Glass wool fiber		Not Listed
•Methyl alcohol 67-56-1 Not Listed •Acetone 67-64-1 Not Listed •Boric acid 10043-35-3 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 (listed under Dimethyl formamide) •Methyl alcohol 67-56-1 Listed •Methyl alcohol 67-64-1 Not Listed •Acetone 67-64-1 Not Listed •Glass, oxide, chemicals 65997-17-3 Not Listed •Glass, oxide, chemicals as Glass wool fiber 65997-17-3 Not Listed (including mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) •Glass, oxide, chemicals as Glass wool fiber 68-12-2 100 lb final RQ; 45.4 kg final RQ •Methyl alcohol 67-56-1 5000 lb final RQ; 2270 kg final RQ •Acetone 67-66-1 5000 lb final RQ; 2270 kg final RQ			
*Acetone	•Formamide, N,N-dimethyl-	68-12-2	Not Listed
*Boric acid *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants *Formamide, N,N-dimethyl- *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber	•Methyl alcohol	67-56-1	Not Listed
*Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants *Formamide, N,N-dimethyl- Methyl alcohol *Acetone *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber *U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *Acetone *Acetone *Glass, oxide, chemicals as Glass wool fiber *Acetone *A	•Acetone		Not Listed
*Glass, oxide, chemicals as Glass wool fiber Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants *Formamide, N,N-dimethyl- *Methyl alcohol *Acetone *Boric acid *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber *Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *Methyl alcohol *Acetone *Acetone *Gr-56-1 *Gr-64-1 *Gr-56-1 *Gr-56-1 *Gr-64-1 *Gr-56-1 *Gr-64-1 *G			
Environment U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants -Formamide, N,N-dimethylMethyl alcohol -Acetone -Boric acid -Glass, oxide, chemicals -Glass, oxide, chemicals as Glass wool fiber -Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities -Methyl alcohol -Acetone -Methyl alcohol -Acetone -Ac		65997-17-3	
U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants Formamide, N,N-dimethyl- Methyl alcohol Acetone Boric acid Glass, oxide, chemicals Glass, oxide, chemicals as Glass wool fiber Glass, oxide, chemicals as Glass wool fiber U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities Formamide, N,N-dimethyl- Methyl alcohol G8-12-2 (listed under Dimethyl formamide) Listed 67-56-1 (including mineral fiber emissions from facilities manufacturing or processing 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 Formamide, N,N-dimethyl- 68-12-2 100 lb final RQ; 45.4 kg final RQ 4Acetone 67-56-1 5000 lb final RQ; 2270 kg final RQ 5000 lb final RQ; 2270 kg	•Glass, oxide, chemicals as Glass wool fiber		Not Listed
*Pormamide, N,N-dimethyl- *Methyl alcohol *Acetone *Acetone *Boric acid *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber *Glass, oxide, chemicals *G			
*Acetone *Boric acid *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals *Government of the chemicals as Glass wool fiber *Glass, oxide, chemicals *Government of the chemicals *Government of the chemicals *Government of the chemicals *Gradual of the chemicals *Gradual of the chemicals *Gradual of the chemicals *Government of the chemicals *Gradual of the chemicals *Government of the chemicals *Government of the chemicals *Government of the chemicals *Gradual of the chemical of the chemicals *Gradual of the chemical of the	•Formamide, N,N-dimethyl-	68-12-2	1
*Boric acid *Glass, oxide, chemicals *Glass, oxide, chemicals *Glass, oxide, chemicals as Glass wool fiber *Glass, oxide, chemicals as Glass wool fiber *Glass, oxide, chemicals as Glass wool fiber *U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities *Formamide, N,N-dimethyl- *Methyl alcohol *Acetone *Acetone *Acetone *Not Listed (including mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) *Book (including mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) *Acetone *A	•Methyl alcohol	67-56-1	Listed
•Glass, oxide, chemicals •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber •Glass, oxide, chemicals •Glass, oxide, chem	•Acetone	67-64-1	Not Listed
 Glass, oxide, chemicals as Glass wool fiber Glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) Formamide, N,N-dimethyl- Methyl alcohol 68-12-2 Methyl alcohol 67-56-1 5000 lb final RQ; 2270 kg final RQ Accetone 67-64-1 5000 lb final RQ; 2270 kg 5000 lb final RQ; 2270 kg 		10043-35-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber •Glass, oxide, chemicals as Glass wool fiber •Glass, oxide, chemicals as Glass wool fiber •U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Acetone •Glass, oxide, chemicals as Glass wool fiber glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) 100 lb final RQ; 45.4 kg final RQ 5000 lb final RQ; 2270 kg final RQ 5000 lb final RQ; 2270 kg	•Glass, oxide, chemicals	65997-17-3	
 •Glass, oxide, chemicals as Glass wool fiber •Glass, oxide, or slag fibers [or other mineral derived fibers] of average diameter 1 μm or less) •Formamide, N,N-dimethyl- •Methyl alcohol •Methyl alcohol •Acetone •Acetone •Acetone •Acetone •Acetone •Acetone 			emissions from facilities
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities •Formamide, N,N-dimethyl- •Methyl alcohol •Acetone 68-12-2 100 lb final RQ; 45.4 kg final RQ • Model of the final RQ; 2270 kg 5000 lb final RQ; 2270 kg 5000 lb final RQ; 2270 kg	•Glass, oxide, chemicals as Glass wool fiber		glass, rock, or slag fibers [or other mineral derived fibers]
•Formamide, N,N-dimethyl- •Methyl alcohol •Acetone 68-12-2 100 lb final RQ; 45.4 kg final RQ •RQ 5000 lb final RQ; 2270 kg final RQ 5000 lb final RQ; 2270 kg	IIS CERCI A/SARA - Hazardous Substances and their Benevichia Overtities		less)
•Nethyl alcohol 67-56-1 RQ 5000 lb final RQ; 2270 kg final RQ 5000 lb final RQ; 2270 kg 67-64-1 5000 lb final RQ; 2270 kg	•		100 lb final RO: 45 4 kg final
•Nietriyi alcohol 67-56-1 final RQ •Acetone 67-64-1 5000 lb final RQ; 2270 kg	•Formamide, N,N-dimethyl-	68-12-2	RQ
	Methyl alcohol	67-56-1	final RQ
	•Acetone	67-64-1	

Format: EU CLP/REACH, EU DSD/DPD, WHMIS, and OSHA HCS 2012 Original GHS Format Preparation Date: 30/May/2015 Revision Date: 3/November/2021

•Boric acid	10043-35-3	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	00.40.0	Ni di Colo
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	60.40.0	Not Listed
•Formamide, N,N-dimethyl-	68-12-2 67-56-1	Not Listed
•Methyl alcohol		Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs •Formamide, N,N-dimethyl-	68-12-2	Not Listed
	67-56-1	Not Listed
Methyl alcohol Acetone	67-56-1 67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Glass, oxide, chemicals as Glass wool fiber		Not Listed
U.S CERCLA/SARA - Section 313 - Emission Reporting		1.0 % de minimis
•Formamide, N,N-dimethyl-	68-12-2	concentration
		1.0 % de minimis
•Methyl alcohol	67-56-1	concentration
•Acetone	67-64-1	Not Listed
Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	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
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	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 VI	I	
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	Included in waste stream: F039
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Mor	nitoring	
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
•Copper	7440-50-8	(total)
U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituent	s	•
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	

	10010.05.0	N
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
 Glass, oxide, chemicals as Glass wool fiber U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal 	Tractment Sta	Not Listed
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Not Listed
-ivietriyi alcorioi	07-30-1	0.28 mg/L (wastewater); 160
•Acetone	67-64-1	mg/kg (nonwastewater)
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water		Trot Eleted
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	
•Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
U.S RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely To Characteristics	xic Wastes & O	ther Hazardous
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	waste number U154 (ignitable waste)
•Acetone	67-64-1	waste number U002 (Ignitable waste)
•Boric acid	10043-35-3	Not Listed
United States - California		
Environment		
U.S California - Proposition 65 - Carcinogens List	00.40.0	NI_4 :-4
•Formamide, N,N-dimethyl-	68-12-2 67-56-1	Not Listed Not Listed
Methyl alcohol Acetone	67-64-1	Not Listed
Boric acid	10043-35-3	Not Listed
•Glass, oxide, chemicals	65997-17-3	Not Listed
oldos, oxido, oliolinodio	00007 17 0	carcinogen, initial date
•Glass, oxide, chemicals as Glass wool fiber		7/1/90 (inhalable and
		biopersistent)
U.S California - Proposition 65 - Developmental Toxicity		
•Formamide, N,N-dimethyl-	68-12-2	Not Listed
•Methyl alcohol	67-56-1	Developmental toxin, initial date 3/16/12
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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
•Methyl alcohol	67-56-1	Not Listed
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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		

•Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Boric acid •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 67-56-1 67-64-1 10043-35-3 65997-17-3	Not Listed Not Listed Not Listed Not Listed Not Listed Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - Male •Formamide, N,N-dimethyl- •Methyl alcohol •Acetone •Boric acid •Glass, oxide, chemicals •Glass, oxide, chemicals as Glass wool fiber	68-12-2 67-56-1 67-64-1 10043-35-3 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
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	
•Boric acid	10043-35-3	Not Listed
•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
•Methyl alcohol	67-56-1	
•Acetone	67-64-1	Not Listed
•Boric acid	10043-35-3	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

• 14/July/2021

• 30/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 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.

SF-110 Rev A Format: EU CLP/REACH, EU DSD/DPD, WHMIS, and OSHA HCS 2012

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