



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1272/2008 and Regulation (EC) No. 1907/2006 as amended by
Regulation (EU) No. 2020/878

Revision Date 01-Oct-2024

Version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code 80017
Product Name 3D AVIATION FORM-A-GASKET #3 SEALANT 1PT

Other means of identification

Unique Formula Identifier (UFI) NUQH-E0UF-F00A-6QHJ

Mixture.

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

Recommended Use Sealant
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer ITW Permatex, Inc. 6875 Parkland Blvd. Solon, Ohio 44139 USA Telephone: 1-87-Permatex (866) 732-9502	Only Representative (OR) ITW Permatex, Inc. Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 353(61)771500 353(61)471285 customerservice.shannon@itwpp.com
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For further information, please contact

Contact Point ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

Non-Emergency Telephone Number 866-732-9502

1.4. Emergency telephone number

24-hour emergency phone number EU Member States information as follows:

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	112
Austria	01 406 43 43
Belgium	070 245 245

Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Denmark	+ 45 8212 1212
Estonia	16662/ (+372) 7943 794
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Ireland	01 809 2166
Italy	0382-24444
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Malta	112
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids	Category 2 - (H225)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements



Signal word

Danger

Hazard statements

H225 - Highly flammable liquid and vapor.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P273 - Avoid release to the environment.
 P370 + P378 - In case of fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam to extinguish.
 P391 - Collect spillage.
 P403 + P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of contents/ container to an approved waste disposal plant.

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

Other hazards No information available.

PBT & vPvB The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
FUMARATED RESIN 65997-04-8	10-30%	No data available	266-040-8	Skin Sens.1(H317) Chronic 2(H411)	-	-	-	-
MAGNESIUM SILICATE 14807-96-6	10-30%	No data available	238-877-9	No data available	-	-	-	-
ETHANOL 64-17-5	10-30%	No data available	200-578-6 (603-002-00-5)	Flam. Liq. 2 (H225)	-	-	-	-
2-PROPANOL 67-63-0	1-5%	No data available	200-661-7 (603-117-00-0)	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	-	-	-	-
METHANOL 67-56-1	0.1-1%	No data available	200-659-6 (603-001-00-X)	Flam. Liq. 2 (H225) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370)	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	-	-	-
METHYL ISOBUTYL KETONE 108-10-1	0.1-1%	No data available	203-550-1 (606-004-00-4)	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) STOT SE 3 (H335) Carc. 2 (H351) (EUH066)	-	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE_{mix}) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
FUMARATED RESIN 65997-04-8	2000	2000	No data available	No data available	No data available
ETHANOL 64-17-5	7060	No data available	116.9 133.8	No data available	No data available
2-PROPANOL 67-63-0	1870	4059	No data available	30.1002	No data available
METHANOL 67-56-1	6200	15840	No data available	41.6976	No data available
METHYL ISOBUTYL KETONE 108-10-1	2080	3000	No data available	11 + 8.1922	No data available

+ This value is the harmonized acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonized ATE value must be used when calculating the acute toxicity estimate (ATE_{mix}) for classifying a mixture containing the listed substance

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Ingestion	Rinse mouth.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Effects of Exposure	No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Small Fire In case of fire, use water spray, foam, dry chemical, or CO2.
Large Fire In case of fire, use water spray, foam, dry chemical, or CO2.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products No information available

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Packaging materials No information available.

Storage class (TRGS 510) Storage class 3.

7.3. Specific end use(s)

Specific use(s)
Automotive Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other Information
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
MAGNESIUM SILICATE 14807-96-6	-	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 1.0 fiber/cm ³ TWA: 6.0 mg/m ³ TWA: 3.0 mg/m ³	TWA: 1 mg/m ³
ETHANOL 64-17-5	-	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL 2000 ppm STEL 3800 mg/m ³	TWA: 1000 ppm TWA: 1907 mg/m ³	TWA: 1000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
2-PROPANOL 67-63-0	-	TWA: 200 ppm TWA: 500 mg/m ³ STEL 800 ppm	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm	TWA: 980.0 mg/m ³ STEL: 1225.0 mg/m ³	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm

		STEL 2000 mg/m ³	STEL: 1000 mg/m ³		STEL: 1250 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL 800 ppm STEL 1040 mg/m ³ Sk*	TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk*	TWA: 200 ppm TWA: 260.0 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL 50 ppm STEL 208 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 50 mg/m ³ STEL: 200 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
MAGNESIUM SILICATE 14807-96-6	-	TWA: 2.0 mg/m ³	TWA: 0.003 fiber/cm3 STEL: 0.006 fiber/cm3 with asbestos in the form of fibers	-	TWA: 0.5 fiber/cm3 TWA: 2 mg/m ³ TWA: 1 mg/m ³
ETHANOL 64-17-5	-	TWA: 1000 mg/m ³ Ceiling: 3000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 2000 ppm STEL: 3800 mg/m ³	TWA: 500 ppm TWA: 1000 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³
2-PROPANOL 67-63-0	-	TWA: 500 mg/m ³ Sk* Ceiling: 1000 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³ STEL: 400 ppm STEL: 980 mg/m ³	TWA: 150 ppm TWA: 350 mg/m ³ STEL: 250 ppm STEL: 600 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 250 mg/m ³ Sk* Ceiling: 1000 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 400 ppm STEL: 520 mg/m ³ Sk*	TWA: 200 ppm TWA: 250 mg/m ³ STEL: 250 ppm STEL: 350 mg/m ³ Sk*	TWA: 200 ppm TWA: 270 mg/m ³ STEL: 250 ppm STEL: 330 mg/m ³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 80 mg/m ³ Sk* Ceiling: 200 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 208 mg/m ³ STEL: 50 ppm Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 80 mg/m ³ STEL: 50 ppm STEL: 210 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
MAGNESIUM SILICATE 14807-96-6	-	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³	-	TWA: 10 mg/m ³ TWA: 2 mg/m ³	TWA: 2 mg/m ³
ETHANOL 64-17-5	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 200 ppm TWA: 380 mg/m ³	TWA: 200 ppm TWA: 380 mg/m ³ Peak: 800 ppm Peak: 1520 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 2000 ppm STEL: 3800 mg/m ³
2-PROPANOL 67-63-0	STEL: 400 ppm STEL: 980 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Peak: 400 ppm Peak: 1000 mg/m ³	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³	TWA: 500 mg/m ³ TWA: 200 ppm STEL: 1000 mg/m ³ STEL: 400 ppm Sk*
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1300 mg/m ³ Sk*	TWA: 100 ppm TWA: 130 mg/m ³ Sk*	TWA: 100 ppm TWA: 130 mg/m ³ Peak: 200 ppm Peak: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³ Sk*	TWA: 260 mg/m ³ TWA: 200 ppm Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ Peak: 40 ppm Peak: 166 mg/m ³ Sk*	TWA: 100 ppm TWA: 410 mg/m ³ STEL: 100 ppm STEL: 410 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 208 mg/m ³ STEL: 50 ppm

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
MAGNESIUM SILICATE 14807-96-6	TWA: 10 mg/m ³ TWA: 0.8 mg/m ³ STEL: 30 mg/m ³ STEL: 2.4 mg/m ³	-	TWA: 2 mg/m ³	-	TWA: 2 mg/m ³ TWA: 1 mg/m ³
ETHANOL 64-17-5	STEL: 1000 ppm	-	STEL: 1000 ppm STEL: 1884 mg/m ³	TWA: 1000 mg/m ³	TWA: 500 ppm TWA: 1000 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³
2-PROPANOL 67-63-0	TWA: 200 ppm STEL: 400 ppm Sk*	-	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 983 mg/m ³	TWA: 350 mg/m ³ STEL: 600 mg/m ³	TWA: 150 ppm TWA: 350 mg/m ³ STEL: 250 ppm STEL: 600 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 82 mg/m ³ STEL: 75 ppm STEL: 307 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
MAGNESIUM SILICATE 14807-96-6	-	-	TWA: 0.25 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³	TWA: 4 mg/m ³ TWA: 1 mg/m ³
ETHANOL 64-17-5	-	-	TWA: 137 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³ Sk*	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	TWA: 1900 mg/m ³
2-PROPANOL 67-63-0	-	-	-	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 306.25 mg/m ³	TWA: 900 mg/m ³ STEL: 1200 mg/m ³ Sk*
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 100 ppm TWA: 133 mg/m ³ Sk*	TWA: 100 ppm TWA: 130 mg/m ³ STEL: 150 ppm STEL: 162.5 mg/m ³ Sk*	TWA: 100 mg/m ³ STEL: 300 mg/m ³ Sk* Prohibited - substances or mixtures containing Methanol in weight concentration >3%;except fuels used in the model building, powerboating, fuel cells and biofuels
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 25 ppm TWA: 104 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³ Sk*	TWA: 83 mg/m ³ STEL: 200 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
MAGNESIUM SILICATE 14807-96-6	TWA: 2 mg/m ³	TWA: 2 mg/m ³	Ceiling: 10 mg/m ³	-	TWA: 2 mg/m ³

ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling: 1920 mg/m ³	TWA: 960 mg/m ³ TWA: 500 ppm STEL: 1000 ppm STEL: 1920 mg/m ³	STEL: 1000 ppm STEL: 1910 mg/m ³
2-PROPANOL 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 81 ppm TWA: 200 mg/m ³ STEL: 203 ppm STEL: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Ceiling: 1000 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 800 ppm STEL: 1040 mg/m ³ Sk*	TWA: 200 ppm TWA: 266 mg/m ³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ Sk* Ceiling: 208 mg/m ³	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³ Sk*	TWA: 20 ppm TWA: 83 mg/m ³ STEL: 50 ppm STEL: 208 mg/m ³
Chemical name		Sweden	Switzerland	United Kingdom	
MAGNESIUM SILICATE 14807-96-6		NGV: 2 mg/m ³ NGV: 1 mg/m ³	TWA: 3 mg/m ³ TWA: 10 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	
ETHANOL 64-17-5		NGV: 500 ppm NGV: 1000 mg/m ³ Vägledande KGV: 1000 ppm Vägledande KGV: 1900 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ STEL: 1000 ppm STEL: 1920 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³ STEL: 3000 ppm STEL: 5760 mg/m ³	
2-PROPANOL 67-63-0		NGV: 150 ppm NGV: 350 mg/m ³ Vägledande KGV: 250 ppm Vägledande KGV: 600 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³	
METHANOL 67-56-1		NGV: 200 ppm NGV: 250 mg/m ³ Vägledande KGV: 250 ppm Vägledande KGV: 350 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 400 ppm STEL: 520 mg/m ³ Sk*	TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk*	
METHYL ISOBUTYL KETONE 108-10-1		NGV: 20 ppm NGV: 83 mg/m ³ Bindande KGV: 50 ppm Bindande KGV: 200 mg/m ³	TWA: 20 ppm TWA: 82 mg/m ³ STEL: 40 ppm STEL: 164 mg/m ³ Sk*	TWA: 50 ppm TWA: 208 mg/m ³ STEL: 100 ppm STEL: 416 mg/m ³ Sk*	

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
2-PROPANOL 67-63-0	-	-	-	50 mg/L - blood (Acetone) - at the end of the work shift 50 mg/L - urine (Acetone) - at the end of the work shift	-
METHANOL 67-56-1	-	-	-	7.0 mg/g Creatinine - urine (Methanol) - at the end of the work shift	0.47 mmol/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol end of shift)
METHYL ISOBUTYL	-	-	-	3.5 mg/L - urine	-

KETONE 108-10-1				(4-Methyl-pentan-2-on) - not critical	
Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
2-PROPANOL 67-63-0	-	-	-	25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift) 25 mg/L - BAT (end of exposure or end of shift) urine 25 mg/L - BAT (end of exposure or end of shift) blood	25 mg/L (whole blood - Acetone end of shift) 25 mg/L (urine - Acetone end of shift)
METHANOL 67-56-1	-	-	- urine (Methanol) - end of shift	15 mg/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol for long-term exposures: at the end of the shift after several shifts) 15 mg/L - BAT (end of exposure or end of shift) urine	15 mg/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol for long-term exposures: at the end of the shift after several shifts)
METHYL ISOBUTYL KETONE 108-10-1	-	-	- urine (Methylisobutylketone) - end of shift	0.7 mg/L (urine - 4-Methylpentan-2-one end of shift) 0.7 mg/L - BAT (end of exposure or end of shift) urine	0.7 mg/L (urine - 4-Methylpentan-2-one end of shift)
Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII	
2-PROPANOL 67-63-0	-	40 mg/L (urine - Acetone end of shift at end of workweek)	-	40 mg/L - urine (Acetone) - end of shift at end of workweek	
METHANOL 67-56-1	30 mg/L (urine - Methanol end of shift) 940 µmol/L (urine - Methanol end of shift)	15 mg/L (urine - Methanol end of shift)	-	15 mg/L - urine (Methanol) - end of shift	
METHYL ISOBUTYL KETONE 108-10-1	-	1 mg/L (urine - Methyl isobutyl ketone end of shift)	-	1 mg/L - urine (MIBK) - end of shift	
Chemical name	Latvia	Luxembourg	Romania	Slovakia	
2-PROPANOL 67-63-0	-	-	50 mg/L - urine (Acetone) - end of shift	-	
METHANOL 67-56-1	-	-	6 mg/L - urine (Methanol) - end of shift	30 mg/L (urine - Methanol end of exposure or work shift) 30 mg/L (urine - Methanol after all work shifts)	
METHYL ISOBUTYL KETONE 108-10-1	-	-	-	3.5 mg/L (urine - 4-Methyl-2-pentanone end of exposure or work shift)	
Chemical name	Slovenia	Spain	Switzerland	United Kingdom	
2-PROPANOL	25 mg/L - blood	40 mg/L (urine -	25 mg/L (urine -	-	

67-63-0	(Acetone) - at the end of the work shift 25 mg/L - urine (Acetone) - at the end of the work shift	Acetone end of workweek)	Acetone end of shift) 0.4 mmol/L (urine - Acetone end of shift) 25 mg/L (whole blood - Acetone end of shift) 0.4 mmol/L (whole blood - Acetone end of shift)	
METHANOL 67-56-1	15 mg/L - urine (Methanol) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	15 mg/L (urine - Methanol end of shift)	30 mg/L (urine - Methanol end of shift, and after several shifts (for long-term exposures)) 936 µmol/L (urine - Methanol end of shift, and after several shifts (for long-term exposures))	-
METHYL ISOBUTYL KETONE 108-10-1	0.7 mg/L - urine (4-Methylpentan-2-one) - at the end of the work shift	1 mg/L (urine - Methyl isobutyl ketone end of shift)	0.7 mg/L (urine - 4-Methylpentane-2-one end of shift)	20 µmol/L - urine (4-Methylpentan-2-one) - post shift

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
VEGETABLE OIL 68187-84-8	-	69.4 mg/kg bw/day [4] [6]	49 mg/m ³ [4] [6]
MAGNESIUM SILICATE 14807-96-6	-	43.2 mg/kg bw/day [4] [6] 4.54 mg/cm ² [5] [6]	2.16 mg/m ³ [4] [6] 2.16 mg/m ³ [4] [7] 3.6 mg/m ³ [5] [6] 3.6 mg/m ³ [5] [7]
ETHANOL 64-17-5	-	343 mg/kg bw/day [4] [6]	950 mg/m ³ [4] [6] 1900 mg/m ³ [5] [7]
2-PROPANOL 67-63-0	-	888 mg/kg bw/day [4] [6]	500 mg/m ³ [4] [6]
METHANOL 67-56-1	-	20 mg/kg bw/day [4] [6] 20 mg/kg bw/day [4] [7]	130 mg/m ³ [4] [6] 130 mg/m ³ [4] [7] 130 mg/m ³ [5] [6] 130 mg/m ³ [5] [7]
METHYL ISOBUTYL KETONE 108-10-1	-	11.8 mg/kg bw/day [4] [6]	83 mg/m ³ [4] [6] 208 mg/m ³ [4] [7] 83 mg/m ³ [5] [6] 208 mg/m ³ [5] [7]

Notes

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
VEGETABLE OIL 68187-84-8	8.33 mg/kg bw/day [4] [6]	-	14.5 mg/m ³ [4] [6]
MAGNESIUM SILICATE	160 mg/kg bw/day [4] [6]	2.27 mg/cm ² [5] [6]	1.08 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
14807-96-6	160 mg/kg bw/day [4] [7]		1.08 mg/m ³ [4] [7] 1.8 mg/m ³ [5] [6] 1.8 mg/m ³ [5] [7]
ETHANOL 64-17-5	87 mg/kg bw/day [4] [6]	-	114 mg/m ³ [4] [6] 950 mg/m ³ [5] [7]
2-PROPANOL 67-63-0	26 mg/kg bw/day [4] [6]	-	89 mg/m ³ [4] [6]
METHANOL 67-56-1	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	26 mg/m ³ [4] [6] 26 mg/m ³ [4] [7] 26 mg/m ³ [5] [6] 26 mg/m ³ [5] [7]
METHYL ISOBUTYL KETONE 108-10-1	4.2 mg/kg bw/day [4] [6]	-	14.7 mg/m ³ [4] [6] 155.2 mg/m ³ [4] [7] 14.7 mg/m ³ [5] [6] 155.2 mg/m ³ [5] [7]

Notes

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
MAGNESIUM SILICATE 14807-96-6	597.97 mg/L	597.97 mg/L	141.26 mg/L	141.26 mg/L	10 mg/m ³
2-PROPANOL 67-63-0	140.9 mg/L	140.9 mg/L	140.9 mg/L	-	-
METHANOL 67-56-1	20.8 mg/L	1540 mg/L	2.08 mg/L	-	-
METHYL ISOBUTYL KETONE 108-10-1	0.6 mg/L	1.5 mg/L	0.06 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
VEGETABLE OIL 68187-84-8	-	-	1.55 mg/L	-	66.7 mg/kg food
MAGNESIUM SILICATE 14807-96-6	31.33 mg/kg sediment dw	3.13 mg/kg sediment dw	-	-	-
2-PROPANOL 67-63-0	552 mg/kg sediment dw	552 mg/kg sediment dw	2251 mg/L	28 mg/kg soil dw	160 mg/kg food
METHANOL 67-56-1	77 mg/kg sediment dw	7.7 mg/kg sediment dw	100 mg/L	100 mg/kg soil dw	-
METHYL ISOBUTYL KETONE 108-10-1	8.27 mg/kg sediment dw	0.83 mg/kg sediment dw	27.5 mg/L	1.3 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls	No information available.
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory protection	Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	No information available.
Other protective equipment	No information available.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid	
Color	Brown	
Odor	No information available.	
Odor threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	Estimated
Boiling point / boiling range	82 °C	
Flammability (solid, gas)	No data available	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. None known
Flammability Limit in Air		
Upper flammability limit:	12.0%	
Lower flammability limit:	2.0%	
Flash point	16 °C	
Autoignition temperature	No data available	Estimated
Decomposition temperature		Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
pH	No data available	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No Data Available	Kinematic viscosity at 100 degrees C
Dynamic viscosity	No data available	Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
Water solubility	No data available	Partially soluble
Solubility(ies)	No Data Available	None known

Partition coefficient	No Data Available	None known
Vapor pressure	33 mm Hg	
Relative density	1.090-1.114	
Bulk density	No data available	
Density	No data available	
Vapor density	2.07	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC content 19.4216

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available 7.7 Ether = 1

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

Remarks No Data Available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

 Sensitivity to mechanical impact None.
 Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization No information available.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides. Aldehydes. Carboxylic acids.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

- ATEmix (oral) 3,550.10 mg/kg
- ATEmix (dermal) 4,466.50 mg/kg
- ATEmix (inhalation-gas) 99,999.00 ppm
- ATEmix (inhalation-vapor) 626.30 mg/l
- ATEmix (inhalation-dust/mist) 30.10 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
FUMARATED RESIN	> 2000 mg/kg (Rat)	= 2000 mg/kg (Rat)	-
ETHANOL	= 7060 mg/kg (Rat)	-	= 116.9 mg/L (Rat) 4 h = 133.8 mg/L (Rat) 4 h
2-PROPANOL	5050 mg/kg	12800 mg/kg	> 10000 ppm (Rat) 6 h
METHANOL	= 6200 mg/kg (Rat)	= 15840 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h
METHYL ISOBUTYL KETONE	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	2000 - 4000 ppm (Rat) 4 h

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
METHYL ISOBUTYL KETONE	Carc. 2

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
FUMARATED RESIN	-	LC50: =3.2mg/L (96h, Brachydanio rerio)	-	-
MAGNESIUM SILICATE	-	LC50: >100g/L (96h, Brachydanio rerio)	-	-
ETHANOL	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
2-PROPANOL	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	-	EC50: =13299mg/L (48h, Daphnia magna)
METHANOL	-	LC50: =28200mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas)	-	-

		LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus)		
METHYL ISOBUTYL KETONE	EC50: =400mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 496 - 514mg/L (96h, Pimephales promelas)	-	EC50: =170mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Partition coefficient
FUMARATED RESIN	7
ETHANOL	-0.35
2-PROPANOL	0.05
METHANOL	-0.77
METHYL ISOBUTYL KETONE	1.9

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
FUMARATED RESIN	The substance is not PBT / vPvB
MAGNESIUM SILICATE	The substance is not PBT / vPvB
ETHANOL	The substance is not PBT / vPvB
2-PROPANOL	The substance is not PBT / vPvB
METHANOL	The substance is not PBT / vPvB
METHYL ISOBUTYL KETONE	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
Other information	No information available.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	ID8000
14.2 UN proper shipping name	Resin solution
14.3 Transport hazard class(es)	9
14.4 Packing group	Not regulated
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	A112
ERG Code	9L

IMDG

14.1 UN number or ID number	UN1866
14.2 UN proper shipping name	Resin solution
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1866, Resin solution, 3, II, (16°C c.c.), LTD QTY
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	None
EmS-No.	F-E, <u>S-E</u>
Underlined EMS codes indicate additional advice is given in the emergency response procedures	
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	UN1866
14.2 UN proper shipping name	Resin solution
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1866, Resin solution, 3, II, Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	640C
Classification code	F1

ADR

14.1 UN number or ID number	UN1866
14.2 UN proper shipping name	Resin solution
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1866, Resin solution, 3, II, (D/E), Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special precautions for user	

Special Provisions 640C
Classification code F1
Tunnel restriction code (D/E)

ADN

14.1 UN number or ID number UN1866
14.2 UN proper shipping name Resin solution
14.3 Transport hazard class(es) 3
14.4 Packing group II
Description UN1866, Resin solution, 3, II, Environmentally Hazardous
14.5 Environmental hazard Yes
14.6 Special precautions for user
Special Provisions 640C
Classification code F1
Ventilation VE01
Equipment Requirements PP, EX, A

SECTION 15: Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
MAGNESIUM SILICATE - 14807-96-6	RG 25
ETHANOL - 64-17-5	RG 84
2-PROPANOL - 67-63-0	RG 84
METHANOL - 67-56-1	RG 84
METHYL ISOBUTYL KETONE - 108-10-1	RG 84

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)
TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
METHANOL	5.2.5	Class I

Netherlands

Carcinogenic, mutagenic and reproductive toxic effects

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
ETHANOL	Present	-	Fertility Category 1A Development Category 1A Can be harmful via breastfeeding

Switzerland

Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Group I
Storage of Hazardous Material SC 10/12
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Class A

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
2-PROPANOL - 67-63-0	75	-
METHANOL - 67-56-1	69 75	-
METHYL ISOBUTYL KETONE - 108-10-1	75	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
METHANOL - 67-56-1	500	5000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
MAGNESIUM SILICATE - 14807-96-6	Plant protection agent

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
ETHANOL - 64-17-5	Product-type 1: Human hygiene Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area
2-PROPANOL - 67-63-0	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 1: Human hygiene

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies

NZIoC Complies
TCSI Contact supplier for inventory compliance status

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing Chemicals Inventory
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances
- NZIoC** - New Zealand Inventory of Chemicals
- TCSI** - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

- H225 - Highly flammable liquid and vapor
- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H331 - Toxic if inhaled
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H351 - Suspected of causing cancer
- H370 - Causes damage to organs
- H411 - Toxic to aquatic life with long lasting effects

Legend

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
- STOT: Specific Target Organ Toxicity
- ATE: Acute Toxicity Estimate
- LC50: 50% Lethal Concentration
- LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method

Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet