SAFETY DATA SHEET

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

Revision Date 11-Mar-2022 **Version** 12

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

1.1. Product identifier

Product Code 80015

Product Name 2AR FORM A GASKET #2 SEALANT 1.5OZ

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

For further information, please contact

1.4. Emergency telephone number

24-hour emergency phone number - §45 - (EC)1272/2008

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Hazard statements

Hazard statements H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Weight-%	REACH registration No.	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
FUMARATED RESIN 65997-04-8	10 - 30		266-040-8	Skin Sens. 1	-	-	-
2-PROPANOL 67-63-0	1 - 5		200-661-7	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-
CRYSTALLINE SILICA 14808-60-7	1 - 5	Exempt	238-878-4	-	-	-	-
TITANIUM DIOXIDE 13463-67-7	0.1 - 1	Registration no: 01-2119489379-17-XXXX	236-675-5	Carc. 2 (H351i)	-	-	-
METHANOL 67-56-1	0.1 - 1		200-659-6	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	-	-
METHYL ISOBUTYL KETONE 108-10-1	0.1 - 1		203-550-1	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Carc. 2 (H351) (EUH066) STOT SE 3 (H335) Flam. Liq. 2 (H225)	-	-	-

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

Acute Toxicity Estimate
No information available

Chemical name	Oral LD50	Dermal LD50	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
2-PROPANOL 67-63-0	1870	4059	No data available	30.1002	No data available
TITANIUM DIOXIDE 13463-67-7	10000	No data available	5.09	No data available	No data available
METHANOL 67-56-1	6200	15840	No data available	41.6976	No data available
METHYL ISOBUTYL	2080	3000	No data available	11 +	No data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
KETONE 108-10-1				8.1922	

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 thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth.

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

Symptoms No information available.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

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 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 Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

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 Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Specific use(s)
Automotive Sealant.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
2-PROPANOL 67-63-0	-	TWA: 200 ppm TWA: 500 mg/m³ STEL 800 ppm STEL 2000 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	STEL: 1225.0 mg/m³ TWA: 980.0 mg/m³	TWA: 400 ppm TWA: 999 mg/m³ STEL: 500 ppm STEL: 1250 mg/m³
CRYSTALLINE SILICA 14808-60-7	TWA 0.1 mg/m³ respirable fraction	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	-	TWA: 5 mg/m³ STEL 10 mg/m³	TWA: 10 mg/m³	TWA: 10.0 mg/m³ TWA: 1.0 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ *	TWA: 200 ppm TWA: 260 mg/m³ STEL 800 ppm STEL 1040 mg/m³	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³	TWA: 200 ppm TWA: 260.0 mg/m³ K*	TWA: 200 ppm TWA: 260 mg/m³ K*

		H*	*		
METHYL ISOBUTYL KETONE 108-10-1	TWA 20 ppm TWA 83 mg/m³ STEL 50 ppm STEL 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL 50 ppm STEL 208 mg/m³ H*	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	STEL: 200 mg/m³ TWA: 50 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
2-PROPANOL 67-63-0	-	TWA: 500 mg/m³ Ceiling: 1000 mg/m³ *	TWA: 200 ppm TWA: 490 mg/m³	TWA: 150 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 600 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 250 ppm STEL: 620 mg/m³
CRYSTALLINE SILICA 14808-60-7	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	-	-	TWA: 6 mg/m³	TWA: 5 mg/m³	-
METHANOL 67-56-1	* TWA: 200 ppm TWA: 260 mg/m³	TWA: 250 mg/m³ Ceiling: 1000 mg/m³ *	TWA: 200 ppm TWA: 260 mg/m³ H*	TWA: 200 ppm TWA: 250 mg/m³ STEL: 250 ppm STEL: 350 mg/m³ A*	TWA: 200 ppm TWA: 270 mg/m³ STEL: 250 ppm STEL: 330 mg/m³ iho*
METHYL ISOBUTYL KETONE 108-10-1	STEL: 50 ppm STEL: 208 mg/m³ TWA: 20 ppm TWA: 83 mg/m³	TWA: 80 mg/m³ Ceiling: 200 mg/m³ *	TWA: 20 ppm TWA: 83 mg/m³ H*	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 80 mg/m³ STEL: 50 ppm STEL: 210 mg/m³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
2-PROPANOL 67-63-0	STEL: 400 ppm STEL: 980 mg/m³	TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m³	TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³	TWA: 500 mg/m³ STEL: 1000 mg/m³ b*
CRYSTALLINE SILICA 14808-60-7	TWA: 0.1 mg/m³	-	-	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m³	TWA: 1.25 mg/m³ TWA: 10 mg/m³	TWA: 0.3 mg/m³ Ceiling / Peak: 2.4 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	-
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL: 1000 ppm STEL: 1300 mg/m³ *	TWA: 100 ppm TWA: 130 mg/m³ H*	TWA: 100 ppm TWA: 130 mg/m³ Ceiling / Peak: 200 ppm Ceiling / Peak: 260 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³ skin - potential for cutaneous absorption	TWA: 260 mg/m³ b*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ H*	TWA: 20 ppm TWA: 83 mg/m³ Ceiling / Peak: 40 ppm Ceiling / Peak: 166 mg/m³ Skin	TWA: 100 ppm TWA: 410 mg/m³ STEL: 100 ppm STEL: 410 mg/m³ skin - potential for cutaneous absorption	TWA: 83 mg/m³ STEL: 208 mg/m³
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
2-PROPANOL 67-63-0	TWA: 200 ppm STEL: 400 ppm Sk*	-	TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 983 mg/m³	TWA: 350 mg/m³ STEL: 600 mg/m³	TWA: 150 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 600 mg/m³
CRYSTALLINE SILICA 14808-60-7	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³	TWA: 0.025 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	-	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 5 mg/m³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m³	TWA: 200 ppm TWA: 260 mg/m³	TWA: 200 ppm TWA: 262 mg/m³	TWA: 200 ppm TWA: 260 mg/m³	* TWA: 200 ppm

	STEL: 600 ppm STEL: 780 mg/m³ Sk*	pelle*	STEL: 250 ppm STEL: 328 mg/m³ *	*	TWA: 260 mg/m³
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³ Sk*	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 82 mg/m³ STEL: 75 ppm STEL: 307 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
2-PROPANOL 67-63-0	-	-	-	TWA: 100 ppm TWA: 245 mg/m³ STEL: 150 ppm STEL: 306.25 mg/m³	STEL: 1200 mg/m³ TWA: 900 mg/m³
CRYSTALLINE SILICA 14808-60-7	-	-	TWA: 0.075 mg/m³ TWA: 0.75 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³ STEL: 0.9 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	-	-	-	TWA: 5 mg/m³ STEL: 10 mg/m³	STEL: 30 mg/m³ TWA: 10 mg/m³
METHANOL 67-56-1	* TWA: 200 ppm TWA: 260 mg/m³	* TWA: 200 ppm TWA: 260 mg/m³	TWA: 133 mg/m³ H*	TWA: 100 ppm TWA: 130 mg/m³ STEL: 150 ppm STEL: 162.5 mg/m³ H*	STEL: 300 mg/m³ TWA: 100 mg/m³
METHYL ISOBUTYL KETONE 108-10-1	STEL: 50 ppm STEL: 208 mg/m³ TWA: 20 ppm TWA: 83 mg/m³	STEL: 50 ppm STEL: 208 mg/m³ TWA: 20 ppm TWA: 83 mg/m³	TWA: 104 mg/m³ STEL: 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³ H*	STEL: 200 mg/m³ TWA: 83 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
2-PROPANOL 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 81 ppm TWA: 200 mg/m³ STEL: 203 ppm STEL: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ 400: STEL ppm 1000: STEL mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³
CRYSTALLINE SILICA 14808-60-7	TWA: 0.025 mg/m³ TWA: 0.05 mg/m³ TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ STEL: 0.5 mg/m³	-	TWA: 0.05 mg/m³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 15 mg/m³	TWA: 5 mg/m³	-	TWA: 10 mg/m³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm P*	TWA: 200 ppm TWA: 260 mg/m³ P*	TWA: 200 ppm TWA: 260 mg/m³ K*	TWA: 200 ppm TWA: 260 mg/m³ 800: STEL ppm 1040: STEL mg/m³ K*	TWA: 200 ppm TWA: 266 mg/m³ vía dérmica*
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³	TWA: 20 ppm TWA: 83 mg/m³ K*	TWA: 20 ppm TWA: 83 mg/m³ 50: STEL ppm 208: STEL mg/m³ K*	TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
2-PROPANOL 67-63-0	NGV: 150 ppm NGV: 350 mg/m³ Vägledande KGV: 250 ppm Vägledande KGV: 600 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³	TWA: 400 ppm TWA: 999 mg/m³ STEL: 500 ppm STEL: 1250 mg/m³
CRYSTALLINE SILICA 14808-60-7	NGV: 0.1 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³
TITANIUM DIOXIDE 13463-67-7	NGV: 5 mg/m³	TWA: 3 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
METHANOL 67-56-1	NGV: 200 ppm NGV: 250 mg/m³	TWA: 200 ppm TWA: 260 mg/m³	TWA: 200 ppm TWA: 266 mg/m³

	Vägledande KGV: 250 ppm Vägledande KGV: 350 mg/m³ *	STEL: 400 ppm STEL: 520 mg/m³ H*	STEL: 250 ppm STEL: 333 mg/m³ Sk*
METHYL ISOBUTYL KETONE 108-10-1	NGV: 20 ppm NGV: 83 mg/m³ Bindande KGV: 50 ppm Bindande KGV: 200 mg/m³	TWA: 20 ppm TWA: 82 mg/m³ STEL: 40 ppm STEL: 164 mg/m³ H*	TWA: 50 ppm TWA: 208 mg/m³ STEL: 100 ppm STEL: 416 mg/m³ Sk*

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

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	-
CRYSTALLINE SILICA 14808-60-7	-	(-)	-	-	-
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 KETONE 108-10-1	-	-	-	3.5 mg/L - urine (4-Methyl-pentan-2-on) - not critical	-

Chemical name	Denmark	Finland	France	Germany	Germany MAK
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
METHANOL 67-56-1	-	-	-	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 (for long-term exposures: at the end of the shift after several shifts) urine 15 mg/L - BAT (end of exposure or end of shift) urine	15 mg/L
METHYL ISOBUTYL KETONE	-	-	-	0.7 mg/L (urine - 4-Methylpentan-2-o	0.7 mg/L

108-10-1				ne end of shift) 0.7 mg/L - BAT (end of exposure or end of shift) urine	

Chemical name	Hungary	Ireland	Italy	Italy REL
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 67-63-0	25 mg/L - blood (Acetone) - at the end of the work shift 25 mg/L - urine (Acetone) - at the end of the work shift	40	25	-
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	30	-
METHYL ISOBUTYL KETONE 108-10-1	0.7 mg/L - urine (4-Methylpentan-2-one) - at the end of the work shift	1	0.7	20

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Paste / Gel Liquid
Appearance	Black
Color	No information available
Odor	Alcohol
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Boiling point / boiling range	82 °C	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	No data available °C	ASTM D 4359
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No Data Available	None known
Dynamic viscosity	No data available	None known
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 @ 68°F	
Relative density	1.5	
Bulk density	No data available	
Density	No data available	
Vapor density	2.0	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
VOC content	11%	

9.2. Other information

VOC Content (%) 10.978

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.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

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

Product Information

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.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 7,016.40 mg/kg
ATEmix (dermal) 9,282.80 mg/kg
ATEmix (inhalation-dust/mist) 73.40 mg/l

2.14 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
11.362 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
28.168 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
27.012 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
28.168 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
FUMARATED RESIN	> 2000 mg/kg (Rat)	= 2000 mg/kg (Rat)	-
2-PROPANOL	5050 mg/kg	12800 mg/kg	> 10000 ppm (Rat) 6 h
TITANIUM DIOXIDE	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 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

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Chemical name	European Union
TITANIUM DIOXIDE	Carc. 2
METHYL ISOBUTYL KETONE	Carc. 2

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Unknown aquatic toxicity Contains 0.042 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
FUMARATED RESIN	-	3.2: 96 h Brachydanio rerio mg/L LC50 static	-	-
2-PROPANOL	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis	-	13299: 48 h Daphnia magna mg/L EC50

		macrochirus µg/L LC50		
METHANOL	-	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	-	-
METHYL ISOBUTYL KETONE	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	-	170: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Chemical name	Partition coefficient
2-PROPANOL	0.05
METHANOL	-0.77
METHYL ISOBUTYL KETONE	1.19

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
FUMARATED RESIN	The substance is not PBT / vPvB
2-PROPANOL	The substance is not PBT / vPvB PBT assessment does not apply
TITANIUM DIOXIDE	The substance is not PBT / vPvB PBT assessment does not apply
METHANOL	The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary
METHYL ISOBUTYL KETONE	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated
14.2
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user

IMDG

14.1 UN number or ID number Not regulated
14.2
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user
14.7 Maritime transport in bulk according to IMO instruments

RID

14.1 UN/ID No Not regulated
14.2
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user

ADR

14.1 UN number or ID number Not regulated
14.2
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user

SECTION 15: Regulatory information

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

Chemical name	French RG number
2-PROPANOL 67-63-0	RG 84
CRYSTALLINE SILICA 14808-60-7	RG 25
METHANOL 67-56-1	RG 84
METHYL ISOBUTYL KETONE 108-10-1	RG 84

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
CRYSTALLINE SILICA	Present	-	-

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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances 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.	-
TITANIUM DIOXIDE - 13463-67-7	75.	-
METHANOL - 67-56-1	69.	-
METHYL ISOBUTYL KETONE - 108-10-1	75.	-

Persistent Organic Pollutants

Not applicable

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

Chemical name	Plant protection products directive (91/414/EEC)
CRYSTALLINE SILICA - 14808-60-7	Plant protection agent

International Inventories

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

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 and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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
EUH066 - Repeated exposure may cause skin dryness or cracking
H225 - Highly flammable liquid and vapor
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
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

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

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)
EPA (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)
Japan GHS Classification
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)
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

Revision Date 11-Mar-2022

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