

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

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Revision Number 2

EGHS / English

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name VariDur 3003 Liquids 1 & 2

Product Code(s) 20-3532, 20-3535, 20-3536

(M)SDS Number 1346124_E

Chemical name

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

Recommended Use Laboratory Use Only.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer ITW Test & Measurement GmbH

Manufacturer Address Boschstraße 10
73734 Esslingen am Neckar / GERMANY
www.buehler-met.de www.buehler.fr www.buehler.co.uk

Phone number +49 (0) 711 4904690-0

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1.4. Emergency telephone number

Global Access Code: 334545

Americas: +1 760 476 3962

Middle East/Africa: +1 760 476 3959

UK: +44 8 08 189 0979

Europe: +1 760 476 3961

Asia Pacific: +1 760 476 3960

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Reproductive Toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Flammable liquids	Category 2 - (H225)

2.2. Label elements**Signal word****Danger****Hazard Statements**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H361d - Suspected of damaging the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

H225 - Highly flammable liquid and vapor

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

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P405 - Store locked up

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Methyl methacrylate	Present	80-62-6	10 - 50%	Skin Irrit. 2 (H315)Liq. 2 (H225)SE 3(H335)Sens. 1 (H317)	
Styrene	202-851-5	100-42-5	2.5 - 50%	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Repr. 2 (H361d) STOT RE 1 (H372) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)	
Benzenamine, N,N,4-trimethyl-	202-805-4	99-97-8	0 - 2.5%	Acute Tox. 3 (H301) Acute Tox. 3 (H311) STOT RE 2 (H373) Acute Tox. 3 (H331) Aquatic Chronic 3 (H412)	

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

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

Chemical name	CAS No	SVHC candidates
Methyl methacrylate	80-62-6	-
Styrene	100-42-5	-
Benzenamine, N,N,4-trimethyl-	99-97-8	-

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, give artificial respiration. Get medical attention immediately. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
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. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
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. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Use personal

protective equipment as required. See section 8 for more information.

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

Symptoms Itching. Rashes. Hives. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

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

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

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

Unsuitable extinguishing media No information available.

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. Product is or contains a sensitizer. May cause sensitization by skin contact.

5.3. Advice for firefighters

Special protective equipment 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. Avoid breathing vapors or mists.

Other Information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

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.

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.

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/sparks/open flames/hot surfaces. - 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. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

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. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

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. Store locked up. Keep out of the reach of children.

7.3. Specific end use(s)

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

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	EU	United Kingdom	France	Spain	Germany
Methyl methacrylate 80-62-6	TWA: 50 ppm STEL: 100 ppm	STEL: 100 ppm STEL: 416 mg/m ³ TWA: 50 ppm TWA: 208 mg/m ³	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 100 ppm STEL: 410 mg/m ³	STEL: 100 ppm TWA: 50 ppm	TWA: 50 ppm TWA: 210 mg/m ³
Styrene	-	STEL: 250 ppm	VME: 215 mg/m ³	STEL: 40 ppm	TWA: 20 ppm

100-42-5		STEL: 1080 mg/m ³ TWA: 100 ppm TWA: 430 mg/m ³	VME: 50 ppm	STEL: 172 mg/m ³ TWA: 20 ppm TWA: 86 mg/m ³	TWA: 86 mg/m ³
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Methyl methacrylate 80-62-6	TWA: 50 ppm STEL: 100 ppm	STEL: 100 ppm TWA: 50 ppm	STEL: 410 mg/m ³ TWA: 205 mg/m ³	TWA: 10 ppm TWA: 42 mg/m ³ STEL: 50 ppm STEL: 210 mg/m ³	TWA: 25 ppm TWA: 102 mg/m ³ H*
Styrene 100-42-5	-	STEL: 40 ppm TWA: 20 ppm	TWA: 20 ppm TWA: 86 mg/m ³ STEL: 100 ppm STEL: 430 mg/m ³	Ceiling: 25 ppm Ceiling: 105 mg/m ³ H*	Ceiling: 25 ppm Ceiling: 105 mg/m ³ H*
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Methyl methacrylate 80-62-6	STEL 100 ppm STEL 420 mg/m ³ TWA: 50 ppm TWA: 210 mg/m ³	STEL: 100 ppm STEL: 420 mg/m ³ TWA: 50 ppm TWA: 210 mg/m ³	STEL: 300 mg/m ³ TWA: 100 mg/m ³	TWA: 25 ppm TWA: 100 mg/m ³ H* STEL: 100 ppm STEL: 400 mg/m ³	TWA: 50 ppm STEL: 100 ppm
Styrene 100-42-5	STEL 80 ppm STEL 340 mg/m ³ TWA: 20 ppm TWA: 85 mg/m ³	STEL: 40 ppm STEL: 170 mg/m ³ TWA: 20 ppm TWA: 85 mg/m ³	STEL: 200 mg/m ³ TWA: 50 mg/m ³	TWA: 25 ppm TWA: 105 mg/m ³ STEL: 37.5 ppm STEL: 131.25 mg/m ³	TWA: 20 ppm TWA: 85 mg/m ³ STEL: 40 ppm STEL: 170 mg/m ³

Biological occupational exposure limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Styrene 100-42-5	-	-	Blood : 0.55 mg/L Blood : 0.02 mg/L Urine : 800 mg/g creatinine Urine : 300 mg/g creatinine Urine : 240 mg/g creatinine Urine : 100 mg/g creatinine	400 0.2	600 mg/g
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Styrene 100-42-5	-	-	-	1.2	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Styrene 100-42-5	-	400 500	-	-	400 mg/g creatinine 0.2 mg/L

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	Tight sealing safety goggles. If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.
Hand Protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Environmental exposure controls	No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Light green
Odor	Characteristic
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	Not determined	
Melting / freezing point	No data available	None known
Boiling point / boiling range	101°C °C	
Flash Point	26°C C	
Evaporation Rate	No data available	None known
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	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.05	
Water Solubility	Immiscible	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Viscosity	No data available	None known

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	Not applicable
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical 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.

10.4. Conditions to avoid

Heat, flames and sparks, Excessive heat.

10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). May cause redness, itching, and pain. Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Coughing and/ or wheezing.

Numerical measures of toxicity**Acute Toxicity**

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

ATEmix (oral)	2,673.00 mg/kg
ATEmix (dermal)	8,789.00 mg/kg
ATEmix (inhalation-gas)	3,013.00 ppm
ATEmix (inhalation-dust/mist)	1.30 mg/L
ATEmix (inhalation-vapor)	15.22 mg/L

Unknown acute toxicity

- 89 % of the mixture consists of ingredient(s) of unknown toxicity
- 40 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 50 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 89 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 49 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 89 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl methacrylate	= 7900 mg/kg (Rat) = 7872 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 4632 ppm (Rat) 4 h
Styrene	= 1000 mg/kg (Rat)	-	= 11.7 mg/L (Rat) 4 h
Benzenamine, N,N,4-trimethyl-	= 1650 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 1400 mg/m ³ (Rat) 4 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	Contains a known or suspected reproductive toxin.

Chemical name	EU - Annex VI Reproductive
Styrene	Repr. 2

STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	No information available.
	Causes damage to the following organs through prolonged or repeated exposure: Nervous system.
Aspiration hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Methyl methacrylate	96h EC50: = 170 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 243 - 275 mg/L (Pimephales promelas) 96h LC50: 125.5 - 190.7 mg/L (Pimephales promelas) 96h LC50: 153.9 - 341.8 mg/L (Lepomis macrochirus) 96h LC50: > 79 mg/L (Oncorhynchus mykiss) 96h LC50: 170 - 206 mg/L (Lepomis macrochirus) 96h LC50: 326.4 - 426.9 mg/L (Poecilia reticulata)	-	48h EC50: = 69 mg/L
Styrene	96h EC50: = 0.72 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 0.15 - 3.2 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 0.46 - 4.3 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 1.4 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 3.24 - 4.99 mg/L (Pimephales promelas) 96h LC50: 6.75 - 14.5 mg/L (Pimephales promelas) 96h LC50: 58.75 - 95.32 mg/L (Poecilia reticulata) 96h LC50: 19.03 - 33.53 mg/L (Lepomis macrochirus)	EC50 = 5.4 mg/L 5 min	48h EC50: 3.3 - 7.4 mg/L
Benzenamine, N,N,4-trimethyl-	-	96h LC50: 42 - 50.5 mg/L (Pimephales promelas)	-	-

12.2. Persistence and degradability**Persistence and Degradability** No information available.**12.3. Bioaccumulative potential****Bioaccumulation**

Chemical name	Log Pow
Methyl methacrylate	0.7
Styrene	2.95

Benzenamine, N,N,4-trimethyl-	2.81
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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
Methyl methacrylate	
Styrene	
Benzenamine, N,N,4-trimethyl-	Not applicable

12.6. Other adverse effects

Other adverse effects No information available.

Endocrine Disruptor Information

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Styrene	Group I Chemical	High Exposure Concern

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 No information available.

Section 14: TRANSPORT INFORMATION

IMDG/IMO

14.1 UN-No. UN1866
14.2 Proper Shipping Name RESIN SOLUTION
Description UN1866, RESIN SOLUTION, 3, III, (26°C C.C.)
14.3 Hazard Class 3
14.4 Packing Group III
14.5 Marine Pollutant Not applicable
Environmental hazard Yes
14.6 Special Provisions None
EmS-No. F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

RID

14.1 UN-No. UN1866
14.2 Proper Shipping Name RESIN SOLUTION
Description UN1866, RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, 3, III

14.3 Hazard Class	3
ADR/RID-Labels	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None
Classification code	F1

ADR

14.1 UN-No.	UN1866
14.2 Proper Shipping Name	RESIN SOLUTION
Description	UN1866, RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, 3, III, (D/E)
14.3 Hazard Class	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None 640E
Classification code	F1
Tunnel restriction code	(D/E)

IATA

14.1 UN-No.	UN1866
14.2 Proper Shipping Name	RESIN SOLUTION
Description	UN1866, RESIN SOLUTION, 3, III
14.3 Hazard Class	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

Section 14: TRANSPORT INFORMATION**IMDG/IMO**

14.1 UN-No.	UN1866
14.2 Proper Shipping Name	RESIN SOLUTION
Description	UN1866, RESIN SOLUTION, 3, III, (26°C C.C.)
14.3 Hazard Class	3
14.4 Packing Group	III
14.5 Marine Pollutant	Not applicable
Environmental hazard	Yes
14.6 Special Provisions	None
EmS-No.	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

RID

14.1 UN-No.	UN1866
14.2 Proper Shipping Name	RESIN SOLUTION
Description	UN1866, RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, 3, III
14.3 Hazard Class	3
ADR/RID-Labels	3
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

Classification code F1

ADR

14.1 UN-No. UN1866
 14.2 Proper Shipping Name RESIN SOLUTION
 Description UN1866, RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, 3, III, (D/E)
 14.3 Hazard Class 3
 14.4 Packing Group III
 14.5 Environmental hazard Yes
 14.6 Special Provisions None 640E
 Classification code F1
 Tunnel restriction code (D/E)

IATA

14.1 UN-No. UN1866
 14.2 Proper Shipping Name RESIN SOLUTION
 Description UN1866, RESIN SOLUTION, 3, III
 14.3 Hazard Class 3
 14.4 Packing Group III
 14.5 Environmental hazard Yes
 14.6 Special Provisions None

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	Title
Methyl methacrylate 80-62-6	RG 65, RG 82 RG 65	-
Styrene 100-42-5	RG 66, RG 84 RG 84	-

Water hazard class (WGK) hazardous to water (WGK 2)

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).

Persistent Organic Pollutants

Not applicable.

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

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

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

Not applicable.

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	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 and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

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 sections 2 and 3

H315 - Causes skin irritation

H226 - Flammable liquid and vapor

H361d - Suspected of damaging the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H225 - Highly flammable liquid and vapor

H335 - May cause respiratory irritation

H317 - May cause an allergic skin reaction

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H331 - Toxic if inhaled

H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date 01-Mar-2017

Revision Date 13-Apr-2017

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

Disclaimer

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End of Safety Data Sheet