SAFETY DATA SHEET

Epoxid-Gießharz

Uniprox Safety data sheet according to 1907/2006/EC, Article 31
Product: Epoxid-Gießharz
Date/ Revised: 15.10.2021
Document-No.: MG123_Epoxid_Gießharz_006_EN

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1. Identification of the substance/ Mixture and of the company/ Undertaking

Order No.: MG123
Product name: Epoxid-Gießharz

Recommended intended purpose:

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2. Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 1, Auditory organs	H372: Causes damage to organs through prolonged or repeated exposure.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

Signal word: Danger

Hazard statements:
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs (Auditory organs) through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
- P201 Obtain special instructions before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:
Styrene

Precautionary statements: Keep dust/ air mixtures away from ignition sources.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Additional advice

No information available.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components:

Chemical Name	CAS-No.	Classification	Concentration
Styrene	100-42-5 202-851-5 01-2119457861-32-xxxx	Flam. Liq.3; H226 Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Repr.2; H361d STOT SE3; H335 STOT RE1; H372 Asp. Tox.1; H304 Aquatic Chronic3; H412	> 40-< 50 %
methacrylic acid	79-41-4 201-204-4 01-2119463884-26-0044	Acute Tox.4; H302 Acute Tox.4; H332 Acute Tox.3; H311	> 0,50-< 1,0 %

Skin Corr.1A; H314
Eye Dam.1; H318
STOT SE3; H335

For explanation of abbreviations see section 16.

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4. First-aid measures

4.1 Description of first aid measures

General advice: Move out of dangerous area.
Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled: Move to fresh air. IF INHALED: Call a POISON CENTER or doctor/ physician if you feel unwell. Keep patient warm and at rest.
If unconscious place in recovery position and seek medical advice.

In case of skin contact: Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. If on clothes, remove clothes.

In case of eye contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.

If swallowed: Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) confusion

Risks: Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No hazards which require special first aid measures.

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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during Firefighting: Organic dusts at sufficient concentration can form explosive mixtures in air.

	Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Beware of Vapeurs accumulating to form explosive concentrations. Vapours can accumulate in low areas. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products:	Carbon dioxide (CO2) Carbon monoxide Burning produces noxious and toxic fumes. Hydrocarbons

5.3 Advice for firefighters

Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus.
Specific extinguishing methods:	Product is compatible with standard fire-fighting agents.
Further information:	Do not use a solid water stream as it may scatter and spread fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

6.2 Environmental precautions:

Environmental precautions:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For further information see Section 8 and 13 of the safety data sheet.

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7. Handling and storage

7.1 Precautions for safe handling

Advice of safe handling:	Open drum carefully as content may be under pressure. Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Take precautionary measures against static discharges. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Secondary operations, such as grinding and sanding, may produce dust. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.
Advice on protection against fire and explosion:	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). No sparking tools should be used. Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment.
Hygiene measures:	Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking.
Other data:	No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s)	No data available.

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8. Exposure controls and personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

100-42-5 Styrene:	End Use: Workers Exposure routes: Inhalation Potential health effects: Short-term exposure, Systemic effects Value: 289 mg/m³ End Use: Workers Exposure routes: Inhalation Potential health effects: Short-term exposure, Local effects Value: 306 mg/m³ End Use: Workers

Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 85 mg/m³
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 406 mg/kg
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Short-term exposure, Systemic effects
Value: 174,25 mg/m³
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Short-term exposure, Local effects
Value: 182,75 mg/m³
End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects
Value: 343 mg/kg
End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term exposure, Systemic effects
Value: 2,1 mg/kg
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 10,2 mg/m³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Styrene:
Fresh water
Value: 0,028 mg/l
Fresh water
Value: 0,04 mg/l Intermittent use/release
Marine water
Value: 0,014 mg/l
Sewage treatment plant
Value: 5 mg/l
Fresh water sediment
Value: 0,614 mg/kg
Marine sediment
Value: 0,07 mg/kg
Soil
Value: 0,2 mg/kg

8.1 Exposure controls

Engenieering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment:

Eye protection:	Wear chemical splash googles when there is the potential for exposure of the eyes to liquid, vapor or mist. Use eye protection according to EN 166.
Hand protection material:	Laminate (Barrier© or Silvershield©)
Break through time:	480 min
Glove thickness:	> 0,5 mm
Remarks:	The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Skin and body protection:	Wear as appropriate: Impervious clothing Safety shoes Flame-resistant clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Protective clothing complying with EN 13688. Safety shoes complying with EN ISO 20345.
Respiratory protection:	In case of vapour formation use respirator with an approved filter.
Filter type:	Organic vapour type (A) Respiratory protection complying with EN 136. Respiratory protection complying with EN 140. Respiratory protection complying with EN 14387.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Light yellow
Odour:	Pungent
Odour threshold:	No data available
pH-value:	No data available
Melting point/Melting range:	No data available
Boiling point/Boiling range:	No data available
Flash point:	29,4 °C/ Method: Seta closed cup
Evaporation rate:	< 1 / Ethyl Ether = 1
Flammability (solid, gas):	May form combustible dust concentrations in air (during processing).
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Realtive vapour density:	> 1 (Air = 1)
Relativ density:	No data available
Density:	1,0433 g/cm³ (25°C)
Solubility(ies)	
Water solubility:	insoluble

Solubility in other solvents:	No data available
Partition coefficient:	
n-octanol/water:	No data available
Decomposition temperature:	Not determined.
Viscosity	
Viscosity, dynamic:	No data available
Viscosity, kinematic:	> 20,5 mm²/s (40°C)
Oxidizing properties:	No data available

9.2 Other information

No information available.

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10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	Hazardous polymerisation may occur. Vapours may form explosive mixture with air. This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

10.4 Conditions to avoid

Conditions to avoid:	Excessive heat Exposure to air Exposure to sunlight Heat, flames and sparks
10.5 Incompatible materials:	Acids Aluminium Aluminium chloride Bases Copper Copper alloys Halogens Iron chloride Metal salts Oxidizing agents Peroxides

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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11. Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure:	Inhalation, skin contact, eye contact, ingestion

Acute toxicity:

Not classified based on available information.

Components:

Styrene

Acute oral toxicity:	LD50 Oral (rat): > 2000 mg/kg
Acute inhalation toxicity:	LC50 (Rat): 11,8 mg/l, 2770 ppm Exposure time: 4 h Test atmosphere: vapour No observed adverse effect level (Humans): 100 ppm Exposure time: 7 h Test atmosphere: vapour
Acute dermal toxicity:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Componets:
Methacrylic acid

Acute oral toxicity:	LD50 (Mouse): 1250 mg/kg LD50 (Rat, male): 1320 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity:	LC50 (Rat): 7,1 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.
Acute dermal toxicity:	LD50 (Rabbit): 500 - 1.000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.
Result: Repeated exposure may cause skin dryness or cracking.
Components:
Styrene
Species: Rabbit
Result: Irritating to skin.
Species: human skin
Result: No skin irritation
methacrylic acid
Method: OECD Test Guideline 404
Result: Corrosive after 3 minutes or less of exposure

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.,
Causes serious eye irritation.
Components:
Styrene
Result: Irritating to eyes.
Remarks: Vapor during processing may be irritating tot he respiratory tract and the eyes.
methacrylic acid

Result: Corrosive

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

Styrene

Exposure routes: Skin contact
Species: Guinea pig
Assessment: Does not cause skin sensitisation.

Exposure routes: inhalation (vapour)
Species: Humans
Assessment: Does not cause respiratory sensitisation

methacrylic acid Test Type: Buehler Test
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information

Components

methacrylic acid

Genotoxicity in vitro:	Test Type: Ames test Method: OECD Test Guideline 471 Result: negative Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 487 Result: negative
Genotoxicity in vivo:	Test Type: Mammalian bone marrow sister chromatid exchange Test species: Rat (male) Cell type: Bone marrow Method: OECD Test Guideline 475 Result: negative Test Type: chromosome aberration assay Test species: Mouse (male) Method: OECD Test Guideline 478 Result: negative Test Type: chromosome aberration assay Test species: Mouse (male) Cell type: peripheral blood cells Method: OECD Test Guideline 474 Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

Styrene

Reproductive toxicity –

Assessment:	Some evidence of adverse effects on development, based on

	animal experiments.
methacrylic acid	
Effects on fertility:	Species: Rat Application Route: Oral Fertility: No observed adverse effect level (Mating/Fertility): 400 mg/kg body weight Symptoms: No effects on fertility No effects on reproduction parameters Method: OECD Test Guideline 416
Effects on foetal development:	Species: Rabbit Application Route: Oral Developmental Toxicity: No observed adverse effect level F1: 450 mg/kg body weight Symptoms: No specific developmental abnormalities Method: OECD Test Guideline 414

STOT - single exposure
May cause respiratory irritation.
Components:
Styrene
Assessment: May cause respiratory irritation.
methacrylic acid
Exposure routes: Inhalation
Target Organs: Respiratory Tract
Assessment: May cause respiratory irritation.
STOT - repeated exposure
Causes damage to organs (hearing organs) through prolonged or repeated exposure.
Components:
Styrene
Exposure routes: inhalation (vapour)
Target Organs: Auditory system
Assessment: Causes damage to organs through prolonged or repeated exposure.
Repeated dose toxicity
Components:
Styrene
Species: Human
85 mg/m³
Application Route: inhalation (vapour)
Species: Human
615 mg/kg
Application Route: Skin contact
methacrylic acid Species: Rat, male and female
NOAEC: 352 mg/m³
Application Route: inhalation (dust/mist/fume)
Exposure time: 90 Days
Group: yes
Symptoms: Local irritation, Reduced body weight
Aspiration toxicity
Not classified based on available information.
Components:
Styrene
May be fatal if swallowed and enters airways.
Further information

Product: Remarks: Solvents may degrease the skin.

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12. Ecological information

12.1 Toxicity

Components:

Styrene

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 4,02 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 4,7 mg/l Exposure time: 48 h
Toxicity to algae:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 4,9 mg/l Exposure time: 72 h EC10 (Pseudokirchneriella subcapitata (green algae)): 0,28 mg/l Exposure time: 96 h
Toxicity to bacteria:	EC50 (activated sludge): ca. 500 mg/l Exposure time: 0,5 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC: 1,01 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
Toxicity to soil dwelling organisms:	NOEC: 34 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

methacrylic acid

Toxicity to fish:	LC50 (Oncorhynchus mykiss (rainbow trout)): 85 mg/l Exposure time: 96 h Test Type: flow-through test
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): > 130 mg/l Exposure time: 48 h Test Type: flow-through test
Toxicity to algae:	EC50 (Pseudokirchneriella subcapitata (green algae)): 20 mg/l End point: Biomass Exposure time: 72 h Test Type: flow-through test Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity):	NOEC: 10 mg/l Exposure time: 35 d Species: Danio rerio (zebra fish) Test Type: flow-through test Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC: 53 mg/l

12.2 Persistence and degradability

Components:
Styrene

Biodegradability:	Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 10 d

methacrylic acid

Biodegradability:	Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: 87 % Exposure time: 28 d

12.3 Bioaccumulative potential

Components:
Styrene

Bioaccumulation:	Bioconcentration factor (BCF): < 100
Partition coefficient: n-octanol/water:	log Pow: 2,96 (25 °C)

methacrylic acid

Bioaccumulation:	Bioconcentration factor (BCF): 1,0 Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water:	log Pow: 0,93

12.4 Mobility in soil

Components:
Styrene

Distribution among environmental compartments:	Koc: 352

12.5 Results of PBT and vPvB assessment

Product:

Assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:
Styrene

Assessment:	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB)

12.6 Other adverse effects

Product:

Additional ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

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13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Product:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging:	Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

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14. Transport information

14.1 UN-Number

ADR, IMDG, IATA	UN1866

14.2 UN proper shipping name

ADR	1866 RESIN SOLUTION, special provision 640E
IMDG, IATA	RESIN SOLUTION

14.3 Transport hazard class(es)

ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3

14.4 Packing group

ADR, IMDG, IATA	III

14.5 Environmental hazards:

Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	30
EMS Number:	F-E,S-E
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN1866, RESIN SOLUTION, special provision 640E, 3, III

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15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: (3)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c	Flammable Liquids	Quantity 1 5000 t	Quantity 2 50000 t

General Assessment Methodology (GAM)

Aquatic harmfulness: B2 Toxic for aquatic organisms
Abatement effort: B Readily biodegradable aquatic harmful substances.
Other regulations: Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable. Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Contains a substance which is subject to the SZW-list of repro-ductive toxic substances (Ministry of Social Affairs and Employment). Styrene

The components of this product are reported in the following inventories:

DSL: This product contains one or several components that are not on the Canadian DSL and have annual quantity limits.
AICS: On the inventory, or in compliance with the inventory
ENCS: On the inventory, or in compliance with the inventory
KECI: On the inventory, or in compliance with the inventory
PICCS: On the inventory, or in compliance with the inventory
IECSC: On the inventory, or in compliance with the inventory
TCSI: On the inventory, or in compliance with the inventory
TSCA: On or in compliance with the active portion of the TSCA inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA) - On or in compliance with the active portion of the TSCA inventory

15.2 Chemical safety assessment

No data available

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16. Other information

Further information

Classification procedure:

H226	Flammable liquid and vapour.	Based on product data or assessment
H315	Causes skin irritation.	Calculation method
H319	Causes serious eye irritation.	Calculation method
H361d	Suspected of damaging the unborn child.	Calculation method
H335	May cause respiratory irritation.	Calculation method
H372	Causes damage to organs through prolonged or repeated exposure.	Calculation method
H412	Harmful to aquatic life with long lasting effects.	Calculation method

Full text of H-Statements

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Polyester resin for multi-component systems (base + hardener) must be declared with UN no. 3269 according to GGVS/ADR and IMDG-code.

This information is based on our present knowledge. However, this shall not constitute a Guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning The International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Carc. 2: Carcinogenicity, Hazard Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

This information refers explicit to the indicated product. In opinion of the Uniprox GmbH & Co. KG this information is right and reliable at the time of the generation. Uniprox GmbH & Co KG don’t assume an express or silent warranty concerning to it’s correctness, reliability or completeness.

Everybody who received this information, is requested by the Uniprox GmbH & Co KG, to decide about suitability and completeness of these information for his special application.