



Kemetyl

Safety data sheet

According to Regulation (EU) No 2020/878

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : PLASTIC PADDING CHEMICAL METAL HARDENER
Product code : 2270409, 2270410
UFI : AE00-V0CP-300D-W56A

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

Application : SU21 Consumer product. PC0 Other. Automotive and aerospace coatings. Hardener.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl AB
Rörvägen 7
13650 Jordbro, Sweden
Telephone : +46 8 504 10100
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

SE - Telephone : +46 8 504 10100

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Organic peroxide, Type E. Eye irritation, category 2. Skin sensitization, category 1. Hazardous to the aquatic environment — Acute category 1. Hazardous to the aquatic environment — Chronic category 1.

Human health hazards : May cause an allergic skin reaction. Causes serious eye irritation.

Physical/chemical hazards : Heating may cause a fire.

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases	:	H242	Heating may cause a fire.
		H317	May cause an allergic skin reaction.
		H319	Causes serious eye irritation.
		H410	Very toxic to aquatic life with long lasting effects.
		P101	If medical advice is needed, have product container or label at hand.
		P102	Keep out of reach of children.
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



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P234	Keep only in original container.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P391	Collect spillage.
P403	Store in a well-ventilated place.
P411 <50	Store at temperatures not exceeding 50 °C.
P501	Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Warning

H- and P-phrases	:	H317	May cause an allergic skin reaction.
	:	P101	If medical advice is needed, have product container or label at hand.
	:	P102	Keep out of reach of children.
	:	P261 vapour	Avoid breathing vapours.
	:	P280 gloves	Wear protective gloves.
	:	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	:	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	:	P362+P364	Take off contaminated clothing and wash it before reuse.
	:	P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Dibenzoyl peroxide .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Dibenzoyl peroxide	45 - 52	94-36-0	202-327-6		01-2119511472-50
Dimethyl phthalate	25 - 35	131-11-3	205-011-6	MAC	01-2119437229-36
Ethanediol	0,1 - 9,9	107-21-1	203-473-3		01-2119456816-28

Substance name	Hazard Class	H-phrases	Pictograms	
Dibenzoyl peroxide	Org. Perox. B; Skin Sens. 1; Eye Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1	H241; H317; H319; H400; H410	GHS01; GHS07; GHS09	M (acute) = 10 M (chronic) = 10
Dimethyl phthalate	----	----	----	



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Ethanediol	Acute Tox. 4; STOT RE 2	H302; H373	GHS07; GHS08	
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Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Consult a doctor if victim feels unwell.
- Skin contact : Immediately take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

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

Effects and symptoms

- Inhalation : May cause headache, dizziness and a feeling of sickness.
- Skin contact : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

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5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO₂). Alcohol resistant foam. Dry chemical. Water fog.
- Not suitable : Water jet. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : Heating causes oxygen release, intensifying the fire.
- Hazardous thermal decomposition products : Organic peroxides burn violently. Benzoic acid , Biphenyl , Phenyl benzoate , Benzene , Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.



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6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Waste product should not be allowed to contaminate soil or water.

Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Prevent from drying out. Explosion risk. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

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7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place. Prevent from drying out. Keep container tightly sealed. Keep away from oxidizing agents. Store below Self-Accelerating Decomposition Temperature (SADT). See section 9.

Recommended packaging : Keep only in the original container.

Non recommended packaging : Closed metal container or glass bottles without appropriate venting devices.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Dibenzoyl peroxide	GB	5	-	-	MAC: various EU countries Directive 2000/39/EC
Dimethyl phthalate	GB	5	10	-	
		3	-	-	
Ethanediol	EC	52	104	Skin	
	GB	52	104	Skin	

Derived no-effect level (DNEL) for workers:

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Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Dibenzoyl peroxide	Inhalation				39 mg/m3
	Dermal				13,3 mg/kg bw/day
Dimethyl phthalate	Inhalation				66,1 mg/m3
	Dermal				135 mg/kg bw/day
Ethanediol	Dermal				106 mg/kg bw/day
	Inhalation			35 mg/m3	

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Dibenzoyl peroxide	Oral				2 mg/kg bw/day
Dimethyl phthalate	Inhalation				16,3 mg/m3
	Dermal				67,5 mg/kg bw/day
	Oral				9,4 mg/kg bw/day
Ethanediol	Dermal				53 mg/kg bw/day
	Inhalation			7 mg/m3	

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Dibenzoyl peroxide	Water	0.00002 mg/l	0.000002 mg/l	
	Sediment	0.013 mg/kg	0.001 mg/kg	
	STP			0.35 mg/l
	Soil			0.003 mg/kg
Dimethyl phthalate	Water	0.192 mg/l	0.0192 mg/l	
	Sediment	1.3 mg/kg	0.13 mg/kg	
	Intermittent water			0,39 mg/l
	STP			4 mg/l
	Soil			3.16 mg/kg
Ethanediol	Water	10 mg/l	1 mg/l	
	Sediment	20,9 mg/kg		
	Intermittent water			10 mg/l
	STP			199,5 mg/l
	Soil			1,53 mg/kg

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

:



Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: neoprene. Indication of permeation breakthrough time: 1 hour.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure.



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Hand protection	: Wear appropriate safety gloves in accordance with EN 374. Suitable material: neoprene. 0,14 mm. Indication of permeation breakthrough time: 1 hour.
Eye protection	: Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Physical state	: Solid.	
Colour	: Colourless.	
Odour	: Characteristic.	
Odour threshold	: Not applicable.	
pH	: Not applicable.	Solid.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: Not relevant.	Solid.
Flammability (solid, gas)	: Flammable.	Heating may cause a fire.
Auto ignition temperature	: Not applicable.	
Boiling point/boiling range	: Not applicable.	
Melting point/melting range	: 0 °C	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not applicable.	
Oxidising properties	: Oxidizing.	
Decomposition temperature	: 50 °C	Self-Accelerating Decomposition Temperature (SADT)
Viscosity (20°C)	: Not applicable.	Solid.
Vapour pressure (20°C)	: Very low.	Solid.
Relative vapour density	: > 1	(air = 1)
Relative density (20°C)	: 1,2 g/ml	
Particle characteristics	: Not relevant.	Too big, bulky to be considered as particle(s).

9.2. Other information

Other information	: Not relevant.
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SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	: See sub-sections below.
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10.2. Chemical stability

Stability	: Stable under normal conditions. Never expose to temperatures exceeding the SADT. See section 9. Mentioned substances act as self-decomposing accelerators.
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10.3. Possibility of hazardous reactions

Reactivity	: No other hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	: See section 7.
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10.5. Incompatible materials



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Materials to avoid : Keep away from acids. Keep away from bases. Keep away from reducing agents. Keep away from halogenated substances. Keep away from heavy metals.

10.6. Hazardous decomposition products

Hazardous decomposition : May include and are not limited to: Benzoic acid , Biphenyl , Phenyl benzoate , Benzene . products

SECTION 11 TOXICOLOGICAL INFORMATION

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

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Calculated LD50: > 3502 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Dibenzoyl peroxide	LD50 (oral)	> 2000 mg/kg bw	OECD 401	Mouse
	LC50 (inhalation)	> 24300 mg/m3	OECD 403	Rat
	NOEL (carcinogenicity, oral)	> 112 mg/kg bw/d		Rat
	NOAEL (oral)	> 190 mg/kg bw/d		Rat



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	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
	Genotoxicity - in vivo	Negative	OECD 474	Mouse
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Slightly irritant		Rabbit
	NOAEL (development, oral)	300 mg/kg bw/d	OECD 414	Rat
	NOAEL (fertility, oral)	500 mg/kg bw/d	OECD 422	Rat
	Skin sensitisation	Sensitizing.	OECD 429	Mouse

11.2. Information on other hazards

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Very toxic to aquatic organisms. Calculated LC50 (fish): < 1 mg/l. Calculated EC50 (waterflea): < 1 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Little chance of penetration of spilled product into the ground and surface water.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Dibenzoyl peroxide	LC50 (fish)	0,0602 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea)	0,110 mg/l	OECD 202	Daphnia magna
	IC50 (algae)	0,0711 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (fish)	0,0316 mg/l	OECD 203	Oncorhynchus mykiss
	NOEC (algae)	0,02 mg/l	OECD 202	Pseudokirchnerella subcapitata



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	Ultimate aerobic biodegradation (%)	71 %	OECD 301 D	
	NOEC (waterflea) - chronic	0,001 mg/l.d	OECD 211	Daphnia magna
	Log P(ow)	3,2		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
- Additional warning : None.
- European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
- Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

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14.1. UN number or ID number

UN nr. : UN 3108

14.2. UN proper shipping name

Transport name : ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide)

Transport name (IMDG, IATA) : ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide)

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 5,2

Classification code : P1

Packaging group : -

Danger label : 5,2 + the "environmentally hazardous substance" mark.

Tunnel restriction code : D



Other information : Not intended for carriage by tank-vessels on inland waterways. Packagings with a quantity of 5 l or less for liquids or 5 kg, or less for solids need not be marked with the environmentally hazardous substance mark.

IMDG (sea)

Class : 5,2

Packaging group : -

EmS (fire / spill) : F - J / S - R

Marine pollutant : Yes



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Other information : Packagings with a quantity of 5 l or less for liquids or 5 kg, or less for solids need not be marked with the environmentally hazardous substance mark.

IATA (air)

Class : 5,2

ERG code : 5L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development



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PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
SADT	: Self-Accelerating Decomposition Temperature (SADT)
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
UFI	: Unique formula identifier
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Org. Perox. E	: Expert judgement.
Eye Irrit. 2	: Calculation method.
Skin Sens. 1/1A/1B	: Calculation method.
Aquatic Chronic 1	: Calculation method.
Aquatic Acute 1	: Calculation method.

Full text of hazard classes mentioned in section 3:

Org. Perox. B	: Organic peroxide, Type B.
Acute Tox. 4	: Acute toxicity, category 4.
Eye Irrit. 2	: Eye irritation, category 2.
Skin Sens. 1/1A/1B	: Skin sensitization, category 1/1A/1B.
STOT RE 2	: Specific target organ toxicity — repeated exposure, category 2.
Aquatic Chronic 1	: Hazardous to the aquatic environment — Chronic category 1.
Aquatic Acute 1	: Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H241	Heating may cause a fire or explosion.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Advice on any training appropriate for workers: only allow properly trained personnel to work with organic peroxides.

Country / Language code	: EC / EN
Number format	: ", " used as decimal separator.

End of safety data sheet.

Print date : 2023-07-04



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SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : PLASTIC PADDING FILLER PASTE, CHEMICAL METAL
Product code : 2270409, 2270410
UFI : 0GXG-420U-P80T-V85P

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

Application : SU21 Consumer product. PC1 Other adhesives and sealants. PC9b Fillers, putties, plasters, modelling clay.

1.3. Details of the supplier of the safety data sheet

Supplier : Kemetyl AB
Rörvägen 7
13650 Jordbro, Sweden
Telephone : +46 8 504 10100
E-mail : msds@kemetyl.com
Website : www.kemetyl.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

SE - Telephone : +46 8 504 10100

(During office hours only)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Flammable liquid, category 3. Skin irritation, category 2. Eye irritation, category 2. Specific target organ toxicity after single exposure, category 3. Specific target organ toxicity — repeated exposure, category 1. Reproductive toxicity, category 2.

Human health hazards : 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. May produce an allergic reaction.

Physical/chemical hazards : Flammable.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases	: 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.



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H372 ear	Causes damage to the auditory system through prolonged or repeated exposure.
EUH208	Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 vapour	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P280 hands	Wear protective gloves and eye protection.
eyes	
P405	Store locked up.
P501	Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:
Hazard pictograms :



Signal word : Danger

H- and P-phrases	:	H335	May cause respiratory irritation.
		H372 ear	Causes damage to the auditory system through prolonged or repeated exposure.
		H361d	Suspected of damaging the unborn child.
		EUH208	Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
		P101	If medical advice is needed, have product container or label at hand.
		P102	Keep out of reach of children.
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P260 vapour	Do not breathe vapours.
		P271	Use only outdoors or in a well-ventilated area.
		P280 hands	Wear protective gloves and eye protection.
		eyes	
		P405	Store locked up.
		P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Styrene . * Contains Maleic anhydride . May produce an allergic reaction.

Other information : According to regulation (EC) 1272/2008, Annex II, part 3, the packaging of this product shall carry a tactile warning of danger and a child-resistant fastening.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

*

3.2. Mixtures



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Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Styrene	20 - < 25	100-42-5	202-851-5		01-2119457861-32
Maleic anhydride	< 0,001	108-31-6	203-571-6		01-2119472428-31

Substance name	Hazard Class	H-phrases	Pictograms	
Styrene	Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2; Acute Tox. 4; STOT SE 3; Repr. 2; STOT RE 1; Aquatic Chronic 3	H226; H304; H315; H319; H332; H335; H361d; H372; H412	GHS02; GHS07; GHS08	
Maleic anhydride	Acute Tox. 4; Skin Corr. 1B; Skin Sens. 1A; Eye Dam. 1; Resp. Sens. 1; STOT RE 2	H302; H314; H317; H318; H334; H373; EUH071	GHS05; GHS07; GHS08	H317 : C >= 0,001 %

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor.

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

Effects and symptoms

- Inhalation : Irritant. May cause sore throat and coughing. May cause headache, dizziness and a feeling of sickness.
- Skin contact : Irritant. May produce an allergic reaction. May cause dry skin.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Water jet. Use of heavy stream of water may spread fire.



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5.2. Special hazards arising from the substance or mixture

Special exposure hazards : None known.
Hazardous thermal decomposition and combustion products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

*

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Clean contaminated surface preferably with a special cleaner. Avoid use of solvents.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Protect from sunlight. Keep away from oxidizing agents. Keep away from food, drink and animal feedingstuffs.
Recommended packaging : Keep only in the original container.
Non recommended packaging : PE and PP.

7.3. Specific end use(s)



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Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments	Source
Styrene	GB	430 50	1080 -	-	MAC RO, PL, HU

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Styrene	Inhalation	306 mg/m ³	289 mg/m ³		85 mg/m ³
	Dermal				406 mg/kg bw/day
Maleic anhydride	Inhalation	0,8 mg/m ³	0,8 mg/m ³	0,4 mg/m ³	0,4 mg/m ³
	Dermal	0,04 mg/kg bw	0,04 mg/kg bw	0,04 mg/kg bw/day	0,04 mg/kg bw/day

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Styrene	Oral				102 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Styrene	Water	0.028 mg/l	0.014 mg/l	
	Sediment	0.614 mg/kg	0.307 mg/kg	
	STP			5 mg/l
	Soil			0.2 mg/kg
Maleic anhydride	Water	0,04281 mg/l	0,004281 mg/l	
	Sediment	0,334 mg/kg	0,0334 mg/kg	
	Intermittent water			0,4281 mg/l
	STP			44,6 mg/l
	Soil			0,0415 mg/kg

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

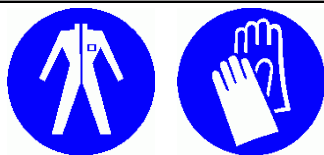
The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



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Body protection	: Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.
Respiratory protection	: Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
Hand protection	: Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. 0,4 mm. Indication of permeation breakthrough time: 6 hours.
Eye protection	: Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Grey.	
Odour	: Characteristic.	
Odour threshold	: Not applicable.	
pH	: Not applicable.	Solid.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: Not relevant.	Solid.
Flammability (solid, gas)	: Flammable.	Heating may cause a fire.
Auto ignition temperature	: 475 °C	
Boiling point/boiling range	: 121 °C	
Melting point/melting range	: Not known.	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,9 (Styrene) Upper explosion limit in air (%): 6,8 (Styrene)
Oxidising properties	: Oxidizing.	
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: > 20,5 mm ² /sec	
Vapour pressure (20°C)	: Very low.	Solid.
Relative vapour density	: > 1	(air = 1)
Relative density (20°C)	: 1,84 g/ml	
Particle characteristics	: Not relevant.	Too big, bulky to be considered as particle(s).

9.2. Other information

Other information	: Not relevant.
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SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	: See sub-sections below.
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10.2. Chemical stability



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Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION *

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

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: no data mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. Target organ(s): Respiratory system. Effect(s): May cause irritation to respiratory airways and coughing.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure. Target organ(s): Auditory system. Effect: Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats.
- Corrosion/irritation : May cause respiratory irritation. May cause sore throat and coughing.
- Sensitisation : Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.
- Sensitisation : May produce an allergic reaction.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Calculated LD50: 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Highly viscous liquid. Not classified - based on available data, the classification criteria are not met. Contains a substance/substances with an aspiration hazard. After ingestion, at vomiting, risk of aspiration in the lungs.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.



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- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Possible risk of harm to the unborn child. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Styrene	Mutagenicity	Positive	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Genotoxic	OECD 473	-----
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOAEL (inhalation)	> 4340 mg/m3	OECD 453	Rat
	NOEL (carcinogenicity, inh.)	> 4340 mg/m3	OECD 453	Rat
	NOEL (carcinogenicity, oral)	> 2000 mg/kg bw/d	-----	Rat
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	NOAEL (oral)	> 2000 mg/kg bw/d	-----	Rat
	Skin sensitisation - estimate	Not sensitizing	Read across	Guinea pig
	NOAEL (developmental toxicity, inh.)	> 2130 mg/m3		Rat
	NOAEL (development, oral)	> 300 mg/kg bw/d	-----	Rat
	LD50 (oral) - estimate	> 6000 mg/kg bw	Read across	-----
	LC50 (inhalation) - estimate	> 2130 mg/m3	Read across	
	Maleic anhydride			
Maleic anhydride	Skin irritation	Severely irritant		Rabbit
	LD50 (oral)	1090 mg/kg bw	OECD 401	Rat
	LD50 (dermal)	2620 mg/kg bw		Rat
	Inhalation sensitisation	Sensitizing.		Rat
	Skin sensitisation	Sensitizing.	OECD 406	Guinea pig
	NOAEL (fertility, oral)	55 mg/kg bw/d	OECD 416	Rat
	NOAEL (development, oral)	> 140 mg/kg bw/d	OECD 414	Rat
	NOEL (carcinogenicity, oral)	> 100 mg/kg bw/d	OECD 414	Rat
	Mutagenicity	Negative		Salmonella typhimurium
	Genotoxicity - in vivo	Not genotoxic	OECD 475	Rat
	NOAEL (inhalation)	3,3 mg/m3		Rat
	NOAEL (oral) - estimate	> 40 mg/kg bw/d		Rat
	NOEL (oral)	40 mg/kg bw/d		Rat
	Eye irritation	Severely irritant		Rabbit

11.2. Information on other hazards

- Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 47 mg/l. Calculated EC50 (waterflea): 22 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Other adverse effects : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number or ID number

UN nr. : UN 3269

14.2. UN proper shipping name

Transport name : POLYESTER RESIN KIT

Transport name (IMDG, IATA) : POLYESTER RESIN KIT



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14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 3
Classification code : F3
Packaging group : III
Danger label : 3
Tunnel restriction code : E



Other information : Not intended for carriage by tank-vessels on inland waterways.

IMDG (sea)

Class : 3
Packaging group : III
EmS (fire / spill) : F - E / S - D
Marine pollutant : No

IATA (air)

Class : 3
ERG code : 3L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION *

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).
: This product is exempted from classification as "May be fatal if swallowed and enters airways" on basis of section 3.10.3.3.1.1. of Annex I of Regulation (EC) No 1272/2008.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION *

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this



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product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
UFI	: Unique formula identifier
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 3	: On basis of test data.
Skin Irrit. 2	: Calculation method.
Eye Irrit. 2	: Calculation method.
Repr. 2	: Calculation method.
STOT SE 3	: Calculation method.
STOT RE 1	: Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 3	: Flammable liquid, category 3.
Acute Tox. 4	: Acute toxicity, category 4.
Skin Corr. 1A/B/C	: Skin corrosive, category 1A/B/C.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Dam. 1	: Serious eye damage, category 1.
Eye Irrit. 2	: Eye irritation, category 2.
Resp. Sens. 1	: Respiratory sensitization, category 1.
Skin Sens. 1/1A/1B	: Skin sensitization, category 1/1A/1B.
Repr. 2	: Reproductive toxicity, category 2.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.



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STOT RE 1 : Specific target organ toxicity — repeated exposure, category 1.
STOT RE 2 : Specific target organ toxicity — repeated exposure, category 2.
Asp. Tox. 1 : Aspiration hazard, category 1.
Aquatic Chronic 3 : Hazardous to the aquatic environment — Chronic category 3.

Full text of H-phrases mentioned in section 3:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.

Print date : 2023-08-17