

Safety Data Sheet

According to Regulation EC No. 1907/2006

Haftvermittler für Kunststoffreparatur

Date of issue/Date of revision: 05.02.2024

en / EU - Version 2.0

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance

or preparation: Haftvermittler für Kunststoffreparatur

UFI: 0V08-67CR-MR0P-YNKY

1.2 Use of the substance/preparation: Primer for plastic

1.3 Company/undertaking identification

Company name: Gößl + Pfaff GmbH
 Street: Münchener Str. 13
 Place: 85123 Karlskron/Brautlach
 Telephone: +49 (0) 8450 / 932-0
 Fax.: +49 (0) 8450 / 932-13
 Contact person: Management: Mr. Gößl, Mr. Pfaff
 E-Mail: info@goessl-pfaff.de
 Internet: www.goessl-pfaff.de
 Responsible Department: Management

1.4 Emergency telephone

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0) 6132-84463

2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: may burst if heated.
Acute toxicity, category 4	H312	Harmful in contact with skin.
Acute toxicity, category 4	H332	Harmful if inhaled.
Skin irritation, category 2	H315	Causes skin irritation.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P211	Do not spray on an open flame or other ignition source.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P280	Wear protective gloves / clothing.

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Contains: Xylene (mixture of isomers)

VOC (Directive 2004/42/EC):

Special finishes.

VOC given in g/litre of product in a ready-to-use condition: 632,24

Limit value: 840,00

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Xylene (mixture of isomers) CAS 1330-20-7 EC 215-535-7 INDEX 601-022-00-9	$60 \leq x < 70$	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Classification note according to Annex VI to the CLP Regulation: C STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
Propane CAS 74-98-6 EC 200-827-9 INDEX 601-003-00-5	$20 \leq x < 25$	Flam. Gas 1A, H220 Press. Gas (Liq.), H280 Classification note according to Annex VI to the CLP Regulation: U
Hydrocarbons, C4 CAS 87741-01-3 EC 289-339-5 INDEX - REACH Reg. 01-2119480480-41-xxxx	$12,5 \leq x < 15$	Flam. Gas 1A, H220 Press. Gas, H280 Classification note according to Annex VI to the CLP Regulation: K
Ethylbenzene CAS 100-41-4 EC 202-849-4 INDEX 601-023-00-4	$0,25 \leq x < 0,5$	Flam. Liq. 2, H225 Acute Tox. 4, H332 Asp. Tox. 1, H304 STOT RE 2, H373 LC50 Inhalation vapours: 17,2 mg/l/4h
Chlorobenzene CAS 108-90-7 EC 203-628-5 INDEX 602-033-00-1	$0 \leq x < 0,5$	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Aquatic Chronic 2 H411 LC50 Inhalation vapours: 15,5 mg/l/4h

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 40,00 %

4. First aid measures

4.1. Description of first aid measures

Eyes:

Remove contact lenses, if present.

Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully.

If problem persists, seek medical advice.

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Skin:

Remove contaminated clothing.
Wash immediately with plenty of water.
If irritation persists, get medical advice/attention.
Wash contaminated clothing before using it again.

Inhalation:

Remove to open air.
In the event of breathing difficulties, get medical advice/attention immediately.

Ingestion:

Get medical advice/attention.
Induce vomiting only if indicated by the doctor.
Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing equipment:

The extinguishing equipment should be of the conventional kind:
carbon dioxide, foam, powder and water spray.

Unsuitable extinguishing equipment:

None in particular.

5.2. Special hazards arising from the substance or mixture

Hazards caused by exposure in the event of fire:

If overheated, aerosol cans can deform, explode and be propelled considerable distances.
Put a protective helmet on before approaching the fire.
Do not breathe combustion products.

5.3. Advice for firefighters

General information:

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.
Always wear full fire prevention gear.

Special protective equipment for fire-fighters:

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.
Send away individuals who are not suitably equipped.
Wear protective gloves/protective clothing/eye protection/face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product.

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Make sure the leakage site is well aired.
Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges.
Do not spray on flames or incandescent bodies.
Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation.
Do not eat, drink or smoke during use.
Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

Storage class TRGS 510 (Germany): 2B

7.3. Specific end use(s)

Information not available.

8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2021

Xylene (mixture of isomers)

Threshold Limit Value

Type	Country	TWA/8 h		STEL/15 min		Remarks/ Observations
		mg/m ³	ppm	mg/m ³	ppm	
TLV	CZE	200	45,4	400	90,8	Skin
AGW	DEU	440	100	880	200	Skin
MAK	DEU	440	100	880	200	Skin
TLV	DNK	109	25			Skin
VLA	ESP	221	50	442	100	Skin

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VLEP	FRA	221	50	442	100	Skin
AK	HUN	221		442		Skin
VLEP	ITA	221	50	442	100	Skin
TGG	NLD	210		442		Skin
NDS/NDSch	POL	100	50	200		Skin
WEL	GBR	220	50	441	100	Skin
OEL	EU	221	50	442	100	Skin
TLV-ACGIK		434	100	651	150	

Propane						
Threshold Limit Value						
Type	Country	TWA/8 h		STEL/15 min		Remarks/ Observations
		mg/m ³	ppm	mg/m ³	ppm	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
TLV	DNK	1800	1000			
VLA	ESP		1000			
NDS/NDSch	POL	1800				

ETHYLBENZENE						
Threshold Limit Value						
Type	Country	TWA/8 h		STEL/15 min		Remarks/ Observations
		mg/m ³	ppm	mg/m ³	ppm	
TLV	CZE	200	45,4	500	113,5	Skin
AGW	DEU	88	20	176	40	Skin
MAK	DEU	88	20	176	40	Skin
TLV	DNK	217	50			Skin
VLA	ESP	441	100	884	200	Skin
VLEP	FRA	88,4	20	442	100	Skin
AK	HUN	442		884		Skin
VLEP	ITA	442	100	884	200	Skin
TGG	NLD	215		430		Skin
NDS/NDSch	POL	200		400		Skin
WEL	GBR	441	100	552	125	Skin
OEL	EU	442	100	884	200	Skin
TLV-ACGIH		87	20			

CHLOROBENZENE						
Threshold Limit Value						
Type	Country	TWA/8 h		STEL/15 min		Remarks/ Observations
		mg/m ³	ppm	mg/m ³	ppm	
TLV	CZE	25	6,8	70	19,04	
AGW	DEU	23	5	46	10	
MAK	DEU	23	5	46	10	
TLV	DNK	23	5			
VLA	ESP	23	5	70	15	
VLEP	FRA	23	5	70	15	
AK	HUN	23		70		
VLEP	ITA	23	5	70	15	
TGG	NLD	23		70		
NDS/NDSch	POL	23		70		
WEL	GBR	4,7	1	14	3	Skin
OEL	EU	23	5	70	15	
TLV-ACGIH		46	10			

Legend:

(C) = Ceiling; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

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When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards. Provide an emergency shower with face and eye wash station.

Hand protection:

Protect hands with category III work gloves (see standard EN 374).

Material: Nitrile rubber

Breakthrough time: 240 min

Glove thickness: 0.5mm

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable.

The gloves' wear time depends on the duration and type of use.

Skin protection:

Wear category II professional long-sleeved overalls and safety footwear (see Directive 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Eye protection:

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered.

The protection provided by masks is in any case limited.

Environmental exposure controls:

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Aerosol
Colour:	Not available
Odour:	Typical of solvent
Melting point/freezing point:	Not available
Initial boiling point:	Not available
Flammability:	Not available
Lower explosive limit:	Not available
Upper explosive limit:	Not available
Flash point:	< 0 °C
Auto-ignition temperature:	400 °C
pH:	Not available
Kinematic viscosity:	Not available
Solubility:	insoluble in water
Partition coefficient: n-octanol/water:	Not available
Vapour pressure:	4 bar
Density and/or relative density:	0,7 kg/l
Relative density:	> 2
Particle characteristics:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available.

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9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC): 90,32 % - 632,24 g/litre
 VOC (volatile carbon): 80,89 % - 566,23 g/litre

10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

Xylene (mixture of isomers):

Stable in normal conditions of use and storage.

Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates.

May form explosive mixtures with: air.

Ethylbenzene:

Reacts violently with: strong oxidants.

Attacks various types of plastic materials.

May form explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

10.6. Hazardous decomposition products

Ethylbenzene:

May develop: methane, styrene, hydrogen, ethane.

11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information Information

Information not available.

Information on likely routes of exposure

Xylene (mixture of isomers):

Workers:

inhalation; contact with the skin.

Population:

ingestion of contaminated food or water; inhalation of ambient air.

Ethylbenzene:

Workers:

inhalation; contact with the skin.

Population:

ingestion of contaminated food or water; contact with the skin of products containing the substance.

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

Xylene (mixture of isomers):

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

Ethylbenzene:

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesl).

Is irritating for skin, conjunctiva and respiratory tract.

Interactive effects

Xylene (mixture of isomers):

Intake of alcohol interferes with the metabolism of the substance, inhibiting it.

Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50 % reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times.

At the same time there is an increase in the secondary side effects of the ethanol.

The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers.

Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid.

Other industrial products can interfere with the metabolism of xylenes.

Acute toxicity

ATE (Inhalation - mists / powders) of the mixture: 1,6 mg/l

ATE (Oral) of the mixture: Not classified (no significant component)

ATE (Dermal) of the mixture: 1200,00 mg/kg

Xylene (mixture of isomers)

LD50 (Oral): 3523 mg/kg Rat

LD50 (Dermal): 4350 mg/kg Rabbit

STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

LC50 (Inhalation): 26 mg/l/4h Rat

STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

Ethylbenzene

LD50 (Oral): 3500 mg/kg Rat

LD50 (Dermal): 15354 mg/kg Rabbit

LC50 (Inhalation): 17,2 mg/l/4h Rat

Chlorobenzene

LD50 (Oral): > 2000 mg/kg Rat

LC50 (Inhalation): 15,5 mg/l/4h Rat

Skin corrosion / irritation

Causes skin irritation.

Serious eye damage / irritation

Does not meet the classification criteria for this hazard class.

Respiratory or skin sensitisation

Does not meet the classification criteria for this hazard class.

Respiratory sensitization

Information not available.

Skin sensitization

Information not available.

Germ cell mutagenicity

Does not meet the classification criteria for this hazard class.

Carcinogenicity

Does not meet the classification criteria for this hazard class.

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Xylene (mixture of isomers)

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

Ethylbenzene

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000).

Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014).

Reproductive toxicity

Does not meet the classification criteria for this hazard class.

Adverse effects on sexual function and fertility

Information not available.

Adverse effects on development of the offspring

Information not available.

Effects on or via lactation

Information not available.

Stot - single exposure

Does not meet the classification criteria for this hazard class.

Target organ

Information not available.

Route of exposure

Information not available.

Stot - repeated exposure

Does not meet the classification criteria for this hazard class.

Target organ

Information not available.

Route of exposure

Information not available.

Aspiration hazard

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth.

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Chlorobenzene

LC50 - for Fish: 7,72 mg/l/96h Pimephales promelas

12.2. Persistence and degradability

Xylene (mixture of isomers)

Solubility in water: 100 - 1000 mg/l

Rapidly degradable

Propane

Solubility in water: 0,1 - 100 mg/l

Rapidly degradable

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Ethylbenzene

Solubility in water: 1000 - 10000 mg/l

Rapidly degradable

Chlorobenzene

Solubility in water: 100 - 1000 mg/l

NOT rapidly degradable

12.3. Bioaccumulative potential

Xylene (mixture of isomers)

Partition coefficient: n-octanol/water: 3,12

BCF: 25,9

Propane

Partition coefficient: n-octanol/water: 1,09

Ethylbenzene

Partition coefficient: n-octanol/water: 3,6

Chlorobenzene

Partition coefficient: n-octanol/water: 3

12.4. Mobility in soil

Partition coefficient: n-octanol/water: 2,73

Chlorobenzene

Partition coefficient: soil/water: 2,42

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available.

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste.

The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Waste transportation may be subject to ADR restrictions.

Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information

14.1 UN number:

ADR/RID, IMDG, IATA:

UN1950

14.2. UN proper shipping name

ADR/RID:

AEROSOLS

IMDG:

AEROSOLS

IATA:

AEROSOLS, FLAMMABLE

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14.3. Transport hazard class

ADR/RID:

Class: 2 

Label: 2.1

IMDG:

Class: 2 

Label: 2.1

IATA:

Class: 2 

Label: 2.1

14.4. Packing group

ADR/RID, IMDG, IATA: -

14.5. Environmental hazards

ADR/RID, IMDG, IATA: No

14.6. Special precautions for user:

ADR/RID:

HIN - Kemler: --

Special Provision: -

Limited quantities: 1 L

Tunnel restriction code: (D)

IMDG:

EMS: F-D, S-U

Limited quantities: 1 L

IATA:

Cargo:

Maximum quantity: 150 kg

Packaging instructions: 203

Pass.:

Maximum quantity: 75 kg

Packaging instructions: 203

Special provision: A145, A167, A802

14.7. Maritime transport in bulk according to IMO Instruments

Information not relevant.

15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point: 40

Contained substance

Point: 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable.

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH): None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

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Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC):

Special finishes.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances:

Xylene (mixture of isomers)

Propane

16. Other information

This version replaces version 1.1 from 03.12.2021

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 2	Flammable liquid, category 2
Press. Gas (Liq.)	Liquefied gas
Press. Gas	Pressurised gas
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Irrit. 2	Skin irritation, category 2
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may burst if heated.
H312+H332	Harmful in contact with skin or if inhaled.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.

Legend:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50 % effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50 %
- LD50: Lethal dose 50 %
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration

Safety Data Sheet

According to Regulation EC No. 1907/2006

Haftvermittler für Kunststoffreparatur

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- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

General bibliography

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 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
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 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
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 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
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 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
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 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website

The information of this MSDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this MSDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.