Page 1 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

# Impact filler, 20 ml

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

#### Relevant identified uses of the substance or mixture:

Adhesive

#### Uses advised against:

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

PMA/TOOLS DIVISION Autoglas-Zubehör AG, Siemensring 42, D-47877 Willich

Telephone: +49 (0) 2154-9222-30, Fax: +49 (0) 2154-9222-55

www.pma-tools.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

Tel.: +49 (0) 2154-922230 (Mo - Fr 8.00h - 18.00h)

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Hazara ciass	Hazard category	Hazard Statement
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Eye Dam.	1	H318-Causes serious eye damage.
Skin Sens.	1	H317-May cause an allergic skin reaction.
Aquatic Chronic	2	H411-Toxic to aquatic life with long lasting effects.

#### 2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Xi. Irritant. R36/37/38 Sensitizising, R43

N, Dangerous for the environment, R51-53

# 2.2 Label elements

# 2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)



#### Danger

H335-May cause respiratory irritation. H315-Causes skin irritation. H318-Causes serious eye damage. H317-May cause an allergic skin reaction. H411-Toxic to aquatic life with long lasting effects.

Prevention

P261-Avoid breathing vapours or spray. P273-Avoid release to the environment. P280-Wear eye protection.

Response

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310-Immediately call a POISON CENTER/doctor.

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-ylacrylate 2-Hydroxyethyl methacrylate Acrylic acid tert-butyl perbenzoate

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006. The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.



Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

# **SECTION 3: Composition/information on ingredients**

# 3.1 Substance

# n.a. 3.2 Mixture

OIZ IIIIXCUI O		
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-ylacrylate		
Registration number (REACH)		
Index	607-133-00-9	
EINECS, ELINCS, NLP	227-561-6	
CAS	CAS 5888-33-5	
content %	25-50	
Classification according to Directive 67/548/EEC	Irritant, Xi, R36/37/38	
	Dangerous for the environment, N, R51	
	Dangerous for the environment, R53	
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Irrit. 2, H319	
	STOT SE 3, H335	
	Skin Irrit. 2, H315	
	Aguatic Chronic 2, H411	

2-Hydroxyethyl methacrylate		
Registration number (REACH)		
Index	607-124-00-X	
EINECS, ELINCS, NLP	212-782-2	
CAS	CAS 868-77-9	
content %	1-25	
Classification according to Directive 67/548/EEC	Irritant, Xi, R36/38	
	Sensitizising, R43	
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Irrit. 2, H319	
	Skin Irrit. 2, H315	
	Skin Sens. 1, H317	

2-Hydroxy-2-methylpropiophenone		
Registration number (REACH)		
Index		
EINECS, ELINCS, NLP	231-272-0	
CAS	CAS 7473-98-5	
content %	1-10	
Classification according to Directive 67/548/EEC	Harmful, Xn, R22	
	Dangerous for the environment, N, R50	
	Dangerous for the environment, R53	
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302	
	Aquatic Acute 1, H400 (M=1)	
	Aquatic Chronic 1, H410 (M=1)	

Acrylic acid		
Registration number (REACH)		
Index	607-061-00-8	
EINECS, ELINCS, NLP	201-177-9	
CAS	CAS 79-10-7	
content %	1-<5	
Classification according to Directive 67/548/EEC	Flammable, R10 Harmful, Xn, R20/21/22 Corrosive, C, R35 Dangerous for the environment, N, R50	
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Acute Tox. 4, H302 Skin Corr. 1A, H314 Aquatic Acute 1, H400 (M=1)	

tert-butyl perbenzoate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	210-382-2
CAS	CAS 614-45-9
content %	1-5
Classification according to Directive 67/548/EEC	R5
	Oxidizing, O, R7
	Harmful, Xn, R22
	Irritant, Xi, R36/37/38
Classification according to Regulation (EC) 1272/2008 (CLP)	Org. Perox. Type C,Type D, H242
	Acute Tox. 4, H302
	Eye Irrit. 2, H319
	STOT SE 3, H335
	Skin Irrit. 2, H315

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

If, for example, the note P is applied for a hydrocarbon then this has already been taken into account for the classification named here.

Quote: "Note P - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)."

Article 4 of the regulation (EC) no. 1272/2008 (CLP regulation) was also observed and taken into account for the classification named here.

# **SECTION 4: First aid measures**

Page 3 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

#### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water. Call doctor immediately - have Data Sheet available.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. 4.3 Indication of any immediate medical attention and special treatment needed

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

#### Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray/foam/CO2/dry extinguisher

#### Unsuitable extinguishing media

High volume water jet

# 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic gases

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping

# 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

#### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

#### **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

# 7.1 Precautions for safe handling

# 7.1.1 General recommendations

Ensure good ventilation.

Protect from direct sunlight. Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Do not pour remainders back into the storage vessels.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

# 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Store in a well ventilated place. Store in a dry place.

Store cool

Protect from direct sunlight and warming.

Protect from light.

Page 4 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

#### 7.3 Specific end use(s)

No information available at present.

# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

2-Hydroxyethyl methacrylate									
Area of application	Exposure route / Environmental	Effect on health	Descriptor	Value	Unit	Note			
	compartment								
Workers / employees	Human - inhalation	Long term	DNEL	4,9	mg/m3				
Workers / employees	Human - dermal	Long term	DNEL	1,3	mg/kg bw/d				
	Environment - water		PNEC	0.482	ma/ka				

#### 8.2 Exposure controls

# 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here

#### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN 374).

If applicable

Safety gloves made of butyl (EN 374)

Protective Neoprene® / polychloroprene gloves (EN 374). Protective nitrile gloves (EN 374)

Protective PVC gloves (EN 374) Minimum layer thickness in mm:

Permeation time (penetration time) in minutes:

The breakthrough times determined in accordance with EN 374 Part III were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

#### 8.2.3 Environmental exposure controls

No information available at present.

# **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties Physical state:

Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range:

Flash point:

Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit:

Vapour pressure: Vapour density (air = 1): Density:

Bulk density:

Clear Characteristic Not determined n.a. Not determined 205 °C 97 °C Not determined

Liquid

Not determined n.a. n.a.

Not determined Not determined ~1,1 g/cm3 Not determined (GB)

Page 5 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

Solubility(ies): Water solubility:

Partition coefficient (n-octanol/water):

Auto-ignition temperature: Decomposition temperature:

Viscosity: Explosive properties:

Explosive properties: Oxidising properties:

9.2 Other information

Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content: Not determined Insoluble Not determined

No Not determined 20-100 mPas (20°C) Product is not explosive.

No

0 %

Not determined Not determined Not determined Not determined

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

The product has not been tested.

# 10.2 Chemical stability

Stable with proper storage and handling.

## 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

#### 10.4 Conditions to avoid

See also section 7.

Effects of light as well as warmth.

#### 10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

Avoid contact with strong alkalis.

Avoid contact with strong acids.

#### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

# **SECTION 11: Toxicological information**

Possibly more information on health effects, see Section 2.1 (classification).

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by dermal route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value, Vapours
Acute toxicity, by inhalation:	ATE	>5	mg/l/4h			calculated value, Aerosol
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

2-Hydroxyethyl methacrylate						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5050	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>3000	mg/kg	Rabbit		
Skin corrosion/irritation:						Skin Irrit. 2
Serious eye damage/irritation:				Rabbit	(Draize-Test)	Irritant
Respiratory or skin sensitisation:				Guinea pig		Sensitizing (skin contact)
Symptoms:						breathing difficulties, coughing,
						mucous membrane irritation

2-Hydroxy-2-methylpropiophenone						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1694	mg/kg	Rat		
Skin corrosion/irritation:				Rabbit		Not irritant
Serious eye damage/irritation:				Rabbit		Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin	Not sensitizising
					Sensitisation)	
Germ cell mutagenicity (in vitro):					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	-

Acrylic acid						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1300	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	295-750	mg/kg	Rabbit		
Symptoms:						respiratory distress, cornea
						opacity, coughing, mucous
						membrane irritation

Page 6 of 9 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

tert-butyl perbenzoate						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						respiratory distress, coughing,
						headaches, mucous membrane
						irritation

# **SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).

Impact filler, 20 ml							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	•						n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB							n.d.a.
assessment							
Other adverse effects:							n.d.a.

2-Hydroxyethyl methacrylate							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	227	mg/l	Pimephales promelas	OECD 203 (Fish,	
				-		Acute Toxicity Test)	
Toxicity to daphnia:	NOEC/NOEL	21d	24,1	mg/l	Daphnia magna	OECD 202 (Daphnia	
						sp. Acute	
						Immobilisation Test)	
Toxicity to daphnia:	EC50	48h	380	mg/l	Daphnia magna	OECD 202 (Daphnia	
						sp. Acute	
						Immobilisation Test)	
Toxicity to algae:	EC50	72h	345	mg/l	Selenastrum	OECD 201 (Alga,	
					capricornutum	Growth Inhibition	
						Test)	
Persistence and degradability:		28d	84	%		OECD 301 D (Ready	Readily biodegradable
						Biodegradability -	
						Closed Bottle Test)	
Bioaccumulative potential:	Log Pow		0,42			OECD 107 (Partition	Bioaccumulation is unlikely
						Coefficient (n-	(LogPow < 1).
						octanol/water) -	
						Shake Flask Method)	
Results of PBT and vPvB							No PBT substance, No vPvB
assessment							substance
Toxicity to bacteria:	EC20	16h	>3000	mg/l	Pseudomonas		
					fluorescens		
Water solubility:							Mixable

2-Hydroxy-2-methylpropiophenone							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	48h	160	mg/l	Leuciscus idus		
Toxicity to algae:	EC50	72h	0,64	mg/l	Scenedesmus subspicatus		
Persistence and degradability:		28d	59	%	·	OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Not readily biodegradable
Bioaccumulative potential:	Log Pow		1,62				
Toxicity to bacteria:	EC50	3h	3	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Acrylic acid							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	27	mg/l	Salmo gairdneri		
Toxicity to fish:	LC50	96h	27	mg/l	Oncorhynchus mykiss		
Toxicity to fish:	LC50	96h	222	mg/l	Brachydanio rerio		
Toxicity to daphnia:	EC50	48h	47	mg/l	Daphnia magna		
Toxicity to algae:	EC50	72h	0,13	mg/l	Scenedesmus		
					subspicatus		
Persistence and degradability:		28d	81	%			

# **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no .:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC) 08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant. E.g. dispose at suitable refuse site.

# For contaminated packing material

Page 7 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

Pay attention to local and national official regulations

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

#### **SECTION 14: Transport information**

#### **General statements**

UN number:

3082

# Transport by road/by rail (ADR/RID)

UN proper shipping name:

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISOBORNYL ACRYLATE, ACRYLIC ACID)

Transport hazard class(es): 9 ĬII Packing group: Classification code: M6 LQ (ADR 2013): 5 L LO (ADR 2009):

Environmental hazards: environmentally hazardous

Tunnel restriction code:

# Transport by sea (IMDG-code)

UN proper shipping name:
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ISOBORNYL ACRYLATE.ACRYLIC ACID)

Transport hazard class(es): Ш Packing group: FmS: F-A. S-F Marine Pollutant: Yes

environmentally hazardous Environmental hazards:

#### Transport by air (IATA)

UN proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (ISOBORNYL ACRYLATE, ACRYLIC ACID) Transport hazard class(es):

Packing group:

Environmental hazards: environmentally hazardous

# Special precautions for user

Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

# Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions

# **SECTION 15: Regulatory information**

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

Observe restrictions:

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII VOC (1999/13/EC):

# 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

# **SECTION 16: Other information**

0%

These details refer to the product as it is delivered.

1 - 16 Revised sections:

### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No.	Evaluation method used
1272/2008 (CLP)	
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Eye Dam. 1, H318	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Aquatic Chronic 2, H411	Classification according to calculation procedure.

The following phrases represent the posted R phrases / H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

10 Flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

22 Harmful if swallowed

35 Causes severe burns.

36/37/38 Irritating to eyes, respiratory system and skin.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact. 5 Heating may cause an explosion.

50 Very toxic to aquatic organisms

51 Toxic to aquatic organisms.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

















Replaces revision of / Version: 09.07.2010 / 0001 Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml 7 May cause fire. H314 Causes severe skin burns and eye damage. H226 Flammable liquid and vapour. H242 Heating may cause a fire. H302 Harmful if swallowed. H312 Harmful in contact with skin H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation Skin Irrit. — Skin irritation

Eye Dam. — Serious eye damage
Skin Sens. — Skin sensitization

Aquatic Chronic — Hazardous to the aquatic environment - chronic Eye Irrit. — Eye irritation Acute Tox. — Acute toxicity - oral Aquatic Acute — Hazardous to the aquatic environment - acute Flam. Liq. — Flammable liquid
Acute Tox. — Acute toxicity - inhalation
Acute Tox. — Acute toxicity - dermal Skin Corr. — Skin corrosion
Org. Perox. — Organic peroxide

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Page 8 of 9

AC

**ECHA** 

EINECS ELINCS

EEA EEC

FΝ

EPA ERC

ES

etc. EU

**EWC** 

Fax.

gen. GHS

GWP

HET-CAM

IBC (Code)

IMDG-code

HGWP IARC

IATA

**IBC** 

European Chemicals Agency European Economic Area European Economic Community

**Environmental Release Categories** 

European Waste Catalogue

Global warming potential

Intermediate Bulk Container

Inhibitory concentration

European Norms

Exposure scenario

et cetera European Union

Fax number

European Inventory of Existing Commercial Chemical Substances

United States Environmental Protection Agency (United States of America)

Globally Harmonized System of Classification and Labelling of Chemicals

International Maritime Code for Dangerous Goods

Hen's Egg Test - Chorionallantoic Membrane

International Bulk Chemical (Code)

European List of Notified Chemical Substances

Halocarbon Global Warming Potential International Agency for Research on Cancer

International Air Transport Association

Article Categories

Revised on / Version: 20.05.2014 / 0002

### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to ACGIH American Conference of Governmental Industrial Hygienists Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level Adsorbable organic halogen compounds AOX approximately approx. Árticle number Art., Art. no. ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BAM BAuA BCF Bioconcentration factor BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) Biological monitoring guidance value (EH40, UK) RHT BMGV BOD Biochemical oxygen demand **BSEF** Bromine Science and Environmental Forum bw CAS body weight Chemical Abstracts Service CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids **CESIO** Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques CIPAC CLP Collaborative International Pesticides Analytical Council Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) carcinogenic, mutagenic, reproductive toxic CMR COD Chemical oxygen demand CTFA Cosmetic, Toiletry, and Fragrance Association Derived Minimum Effect Level DMFI DNEL Derived No Effect Level DOC Dissolved organic carbon DT50 Dwell Time - 50% reduction of start concentration DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw dry weight e.g. EC for example (abbreviation of Latin 'exempli gratia'), for instance European Community

Page 9 of 9

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 20.05.2014 / 0002 Replaces revision of / Version: 09.07.2010 / 0001

Valid from: 20.05.2014 PDF print date: 21.05.2014 Impact filler, 20 ml

incl

including, inclusive International Uniform ChemicaL Information Database **IUCLID** 

LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration

Lethal Dose of a chemical LD LD50 Lethal Dose, 50% kill Lethal Dose Low LDLo

LOAEL Lowest Observed Adverse Effect Level Lowest Observed Effect Concentration LOFC LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable not available n.av. not checked n.c. n.d.a. no data available

National Institute of Occupational Safety and Health (United States of America) No Observed Adverse Effective Concentration NIOSH

NOAEC No Observed Adverse Effect Level NOAEL NOEC No Observed Effect Concentration NOEL No Observed Effect Level

ODP Ozone Depletion Potential OECD Organisation for Economic Co-operation and Development

organic org.

PĂH polycyclic aromatic hydrocarbon PBT PC persistent, bioaccumulative and toxic Chemical product category

PE Polyethylene **PNEC** Predicted No Effect Concentration

Photochemical ozone creation potential parts per million ppm PROC Process category Polytetrafluorethylene

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RĬD Reglement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods

by Rail) SADT

POCP

Self-Accelerating Decomposition Temperature Structure Activity Relationship

SAR

SU Sector of use

SVHC Substances of Very High Concern

Tel Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon TRGS

Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances) United Nations Recommendations on the Transport of Dangerous Goods Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria)) **UN RTDG** VbF

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = WEL-TWA, WEL-STEL

Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

World Health Organization WHO

wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document

is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.