

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

1.1. Product identifier

Product form : Mixture
Trade name : SHUFIT BEIGE (A) 150 ML/420 ML
UFI : TA02-FHXA-D99V-AF6Q
Product code : 10114150 / 100114420
Type of product : 2K-adhesives

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Bonding and repair of the hoof

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Glue-U Adhesives B.V.
Droogdokkeneiland 8
5026 SR Tilburg - Nederland
T 013 - 545 3118
sales@glue-u.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Organic Peroxides, Type E	H242
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H242 - Heating may cause a fire.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.

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Precautionary statements (CLP)	H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective clothing, protective gloves, eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P403+P235 - Store in a well-ventilated place. Keep cool.
EUH-statements	: EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

Other hazards which do not result in classification : This mixture does not contain any substances with a concentration > 0.1% (w / w) that are assessed as bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), to the best of our knowledge.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-[[1-METHYLETHYLIDENE] TO (4,1-PHENYLENE OXYMETHYLENE)] BISOXIRANE (MEDIUM MOLECULAR WEIGHT EPICHLORHYDRINE RESIN ≤ 700)	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	40 – 45	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
BRANCHED C10 ALKYL BENZOATE	CAS-No.: 131298-44-7 EC-No.: 421-090-1 REACH-no: Not classified	20 – 25	Acute Tox. 4 (Inhalation), H332
DIBENZOYL PEROXIDE substance with a Community workplace exposure limit	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0 REACH-no: 01-2119511472-50	20 – 25	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
ALCOHOLS, C12-C15, ETHOXILED PROPOXYLED	CAS-No.: 68551-13-3	< 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Specific concentration limits

Name	Product identifier	Specific concentration limits
2,2'-[[1-METHYLETHYLIDENE] TO (4,1-PHENYLENE OXYMETHYLENE)] BISOXIRANE (MEDIUM MOLECULAR WEIGHT EPICHLORHYDRINE RESIN ≤ 700)	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	(5 ≤C ≤ 100) Eye Irrit. 2, H319 (5 ≤C ≤ 100) Skin Irrit. 2, H315

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Move the affected person away from the contaminated area. Allow affected person to breathe fresh air. Make the affected person rest and keep at warm. Seek immediate medical advice.
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air. Give oxygen or artificial respiration if necessary. Keep victim warm and rested. Seek medical attention immediately.
First-aid measures after skin contact	: Take off contaminated clothing. Rinse skin with plenty of water or shower. Wash with plenty of soap and water. In case of faintness or symptoms of skin irritation appear, take medical advice.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Immediately flush eyes thoroughly with water for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Do not give an unconscious person anything to drink. Rinse mouth out with water. Get medical advice/attention.

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

Symptoms/effects	: Effects of contact or inhalation might be delayed. Do not leave the affected person unattended.
Symptoms/effects after inhalation	: Irritation of the throat, nose and respiratory tract. May cause drowsiness or dizziness. Disorientation. Giddiness.
Symptoms/effects after skin contact	: Skin irritation and erythema. Prolonged or repeated contact may cause skin to become dry. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation. and / or mucous membranes.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause drowsiness or dizziness. Disorientation. Giddiness.

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

Effects of contact or inhalation might be delayed. Do not leave the affected person unattended.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Dry chemical, CO₂, or water spray or regular foam. Dolomite.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Closed containers may rupture if exposed to extreme heat.
Reactivity in case of fire	: Toxic gases are released. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Hazardous gas/vapours are formed in the event of decomposition (see section 10).

5.3. Advice for firefighters

Precautionary measures fire	: Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Cool flame-exposed containers generously after fire has been extinguished.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dyke fire control water for later disposal. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow into drains or water courses. Avoid sub-soil penetration.

6.3. Methods and material for containment and cleaning up

- For containment : For a large spillage, contain the spillage by bunding. Absorb remaining liquid with sand or inert absorbent and remove to safe place.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Shovel into suitable and closed container for disposal.
- Other information : Ensure there is no direct skin contact with product. Avoid breathing (dust, vapor, mist, gas).

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : People with acute or chronic allergies are not allowed to work or to be exposed to the product.
- Precautions for safe handling : Keep container closed when not in use. Do not re-use empty containers. Do not manipulate the product in a confined space. Provide sufficient air exchange and/or exhaust.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately. Dispose of contaminated clothing in a closed container for disposal or cleaning. Inform the cleaning personnel of all hazardous properties of this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store tightly closed in a dry and cool place. Store in the original container and with the original cap.
- Incompatible materials : Amines. Humid air, water. Strong acids. Hydroxyl or active hydrogen components.
- Special rules on packaging : Store in a closed container. Keep only in original container.

7.3. Specific end use(s)

1.2. Recommended uses and restrictions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

DIBENZOYL PEROXIDE (94-36-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

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8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Use spark-/explosionproof appliances and lighting system.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product. Chemical goggles or face shield. EN 166

8.2.2.2. Skin protection

Skin and body protection:

Completely skin-covering anti-static, chemical and oil resistant clothing. Chemical resistant safety shoes. EN 1149. EN 340. EN ISO 13688. EN-13034/6

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Neoprene/viton®. Butyl rubber. Neoprene protective gloves. Check gloves carefully before use. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Consult supplier for specific recommendations. Layer thickness : $\geq 0,38$ mm. The penetration time of the mentioned glove material > 480 minutes. Time of penetration is to be checked with the glove producer.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Full / half / quarter mask (EN 136/140). Type ABEK-P2 (combination filter for gases, vapors and particles, color code: brown / gray / yellow / green / white). An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

The floor of the depot should be impermeable and designed to form a water-tight basin. Do not allow to enter into surface water or drains. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White. off-white to white.
Appearance	: Paste.
Odour	: Uncharacteristic.
Odour threshold	: Not available

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Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 93 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Water: Material insoluble in water
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1.2 @ 20°C
Relative vapour density at 20 °C	: Not available
Particle size	: No data available
Particle size distribution	: No data available
Particle shape	: No data available
Particle aspect ratio	: No data available
Particle aggregation state	: No data available
Particle agglomeration state	: No data available
Particle specific surface area	: No data available
Particle dustiness	: No data available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : < 1 % According to EU Solvent Emissions Directive 1999/13/EC calculated

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Under normal conditions, hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid high temperatures. Protect from sunlight.

10.5. Incompatible materials

Amines. Strong acids. Hydroxyl or active hydrogen components. Water, humidity. Aqueous solution.

10.6. Hazardous decomposition products

Carbon dioxide. carbon monoxide. Aldehydes.

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SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Based on available data, the classification criteria are not met
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met
Additional information	: This product consists of a chemical composition according to REACH Regulation 1907/2006 / EC To avoid testing on animals, the evaluation was carried out based on toxicological data and mass content of the individual components according to 1272/2008 / EC or analogous evaluations of comparable products

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ATE CLP (vapours)	52.67 mg/l
ATE CLP (dust,mist)	7.18 mg/l

Skin corrosion/irritation	: Causes skin irritation. pH: Not available
Serious eye damage/irritation	: Causes eye irritation pH: Not available
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: Respiratory tract; based on available data, the classification criteria are not met
Germ cell mutagenicity	: Based on available data, the classification criteria are not met
Carcinogenicity	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Based on available data, the classification criteria are not met
STOT-single exposure	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not relevant

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Do not discharge into groundwater, into surface water or into drains. Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

SHUFIT BEIGE (A) 150 ML/420 ML	
Persistence and degradability	No additional information available.

12.3. Bioaccumulative potential

SHUFIT BEIGE (A) 150 ML/420 ML	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

SHUFIT BEIGE (A) 150 ML/420 ML	
Mobility in soil	Insoluble in water

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12.5. Results of PBT and vPvB assessment

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Results of PBT assessment

Due to a lack of data, not all ingredients can be tested for PBT and vPvB criteria. This mixture does not contain any substances with a concentration > 0.1% (w / w) that are assessed as bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), to the best of our knowledge

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Do not discharge into groundwater, into surface water or into drains. Do not dispose of with domestic waste. Dispose of in accordance with applicable federal, state, and local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Fully cured products are generally not considered hazardous waste.
Sewage disposal recommendations : Disposal as hazardous substance according to European Directive 91/689 / EEC.
Product/Packaging disposal recommendations : Do not pierce or burn, even after use. Risk of explosion.
European List of Waste (LoW) code : The waste material code number refers to the actual waste material (origin) and not to substances or mixtures as they are placed on the market
The producer of the waste must evaluate his process himself and assign the appropriate waste coding. See Decision 2001/118 / EC
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3108	UN 3108	UN 3108	UN 3108	UN 3108
14.2. UN proper shipping name				
ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE))	ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE; EPOXY RESIN (number average MW ≤ 700)))	Organic peroxide type e, solid (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE))	ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE))	ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE))

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ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 5.2, (D), ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE; EPOXY RESIN (number average MW ≤ 700))), 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3108 Organic peroxide type e, solid (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 5.2, ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 5.2, ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 5.2, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
5.2	5.2	5.2	5.2	5.2
14.4. Packing group				
No data available	No data available	No data available	No data available	No data available
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Transport category (ADR) : 2

Tunnel restriction code (ADR) : D

Transport by sea

EmS-No. (Fire) : F-J

EmS-No. (Spillage) : S-R

Properties and observations (IMDG) : Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

IBC code : Not applicable.

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	SHUFIT BEIGE (A) 150 ML/420 ML	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	SHUFIT BEIGE (A) 150 ML/420 ML	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	SHUFIT BEIGE (A) 150 ML/420 ML	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

: < 1 % According to EU Solvent Emissions Directive 1999/13/EC calculated

Other information, restriction and prohibition regulations

: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006. Directive 2012/18/EU (SEVESO III). is a European Union directive aimed at controlling major chemical accident hazards.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information

: E1 P6b

15.1.2. National regulations

Germany

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK)

: WGK: 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Storage class (LGK, TRGS 510)

: LGK 5.2 - Organic peroxides and self-reactive substances

Netherlands

SZW-lijst van kankerverwekkende stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

: None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: None of the components are listed

SZW-lijst van reprotoxische stoffen –

: None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

Switzerland

Storage class (LK)

: LK 5 - Oxidizing materials

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes:

This sheet has been revised completely (changes were not marked).

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Modified	
	Revision date	Modified	
9.1	Boiling point	Added	
16	Data sources	Modified	

Abbreviations and acronyms	
ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS-No.	Chemical Abstract Service number
DNEL	Derived-No Effect Level
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
EC-No.	European Community number
IMDG	International Maritime Dangerous Goods
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
LC50	Median lethal concentration
LD50	Dose leading to death in 50% of a test population (median lethal dose)
EC50	Median effective concentration

Data sources

: These data are based on the current state of our knowledge. However, they do not provide a guarantee of product properties and do not establish a contractual legal relationship. Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested. The classification for Org. Perox. E; H242 is based on test results on the product (United Nations Transport of Dangerous Goods, Manual of test criteria, Test series E).

Full text of H- and EUH-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. B	Organic Peroxides, Type B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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Full text of H- and EUH-statements	
Skin Sens. 1	Skin sensitisation, Category 1
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.