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Tel.: +49-40-88899-101

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.03.2019 Version number 39 Revision: 13.03.2019

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

· 1.1 Product identifier

· Trade name <u>tesa 60150</u>

 1.2 Relevant identified uses of the substance or mixture and uses

advised against

Application of the substance / the

mixture

No further relevant information available.

Coating material

Priming Intermediate

· 1.3 Manufacturer/Supplier: tesa SE

Hugo-Kirchberg-Strasse 1

D-22848 Norderstedt

Germany

· Informing department: tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm

Dirk.Lamm@tesa.com, Tel.: +49-40-88899-2977

• 1.4 Emergency telephone number: tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt

Security Center Phone +49-40-88899-0

or +49-40-88899-9111

UNITED KINGDOM:

The UK National Poisons Emergency number is 0870 600 6266

London:

Emergency 24 hour telephone: +44 (0)20 7188 0100

Guy's & St Thomas' Poisons Unit Medical Toxicology Information Services

Mary Sheridan House, Guy's Hospital, Great Maze Pond, London SE1 9RT

Deutschland:

Giftinformationszentrum-Nord (GIZ-Nord)

Pharmakologisch-toxikologisches Servicezentrum im Zentrum Pharmakologie und

Toxikologie der Universitätsmedizin Göttingen,

Georg-August-Universität, Göttingen Tel: 0551/19240 (24-Stunden erreichbar)

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## **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Skin Irrit. 2
Eye Irrit. 2
H315 Causes skin irritation.
Eye Irrit. 2
H319 Causes serious eye irritation.
STOT SE 3
H336 May cause drowsiness or dizziness.

2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008 Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02



GHS07



GHS08



· Signal word Danger

· Hazard-determining components of

labelling:

cyclohexane ethylbenzene

64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)

• **Hazard statements** H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways. H410 Very toxic to aquatic life with long lasting effects.

• Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/

doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

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P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/

national/international regulations.

· Additional information: Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number

average molecular weight = 700). May produce an allergic reaction.

• 2.3 Other hazards The preparation contains no elualable organic halogene compounds, which

increases the AOX values

· Results of PBT and vPvB assessment

· PBT: Not classified · vPvB: Not classified

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

· 3.2 Chemical characterisation: Mixtures

· **Description:** Solvent mixture with additives.

Adhesion Promoter

· Characterisation equipment,

container: None

· Dangerous components:		
CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-XXXX	cyclohexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Irrit. 2, H315; STOT SE 3, H336	<50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene, mixed isomers, pure  Flam. Liq. 3, H226  Character Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	<25%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol      Flam. Liq. 2, H225     Eye Irrit. 2, H319; STOT SE 3, H336	<25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX	acetone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	<10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene  Flam. Liq. 2, H225  STOT RE 2, H373; Asp. Tox. 1, H304  Control of the control of	<10%
EINECS: 265-151-9 Reg.nr.: 01-2119486291-36-xxxx	64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)  Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	<10%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate  Flam. Liq. 2, H225  Sepe Irrit. 2, H319; STOT SE 3, H336	<2.5%
CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26-xxxx	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)  Acute Tox. 1, H300; Acute Tox. 1, H310 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<1%

·SVHC

Free of any SVHC substances or < 0.1 %

Regulation (EC) No 648/2004 on detergents / Labelling for contents

not applicable

· Additional information

For the wording of the listed hazard phrases refer to section 16.

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#### **SECTION 4: First aid measures**

· 4.1 Description of first aid measures

· General information

· After inhalation In case of unconsciousness bring patient into stable side position for transport.

· After skin contact Instantly wash with water and soap and rinse thoroughly.

· After eye contact Rinse opened eye for several minutes under running water. If symptoms persist,

Instantly remove any clothing soiled by the product.

consult doctor.

May cause drowsiness.

In case of persistent symptoms consult physician. · After swallowing

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

· 4.3 Indication of any immediate medical attention and special

treatment needed No further relevant information available.

## **SECTION 5: Firefighting measures**

· 5.1 Extinguishing media

Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-

resistant foam.

· For safety reasons unsuitable extinguishing agents

· 5.2 Special hazards arising from the

substance or mixture Can be released in case of fire:

Nitrogen oxide (NOx) Carbon monoxide (CO)

Water with a full water jet.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

· Protective equipment: Put on breathing apparatus.

Do not inhale explosion gases or combustion gases.

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

· 6.1 Personal precautions, protective equipment and emergency

procedures

· 6.2 Environmental precautions:

Wear protective equipment. Keep unprotected persons away.



Prevent product from reaching sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars. Inform resposible authorities in case of spilling into water or sewage system.

· 6.3 Methods and material for containment and cleaning up:

Apply absorbing material (sand, diatomite, acid binders, universal binders,

sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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

· 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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Information about protection against explosions and fires:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges. Handle only outside or in explosion protected rooms. Fumes can combine with air to form an explosive mixture.

- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage

Requirements to be met by

storerooms and containers:

Store in cool location.

· Information about storage in one

common storage facility:

void void

· Further information about storage

conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Store only outside or in explosion proof rooms.

Storing flammable liquids the Nationonal regulations have to be fulfilled!

Storage class 3 (flammable liquids)

• 7.3 Specific end use(s) No further relevant information available.

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

 $\cdot \ \textbf{Additional information about design}$ 

**of technical systems:** No further data; see item 7.

· 8.1 Control parameters

Components with critical values that require monitoring at the workplace	· Components with	critical values	that require monite	oring at the work	(place:
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#### 110-82-7 cyclohexane

WEL Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm

1330-20-7 xylene, mixed isomers, pure

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

## 67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

#### 67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm

Long-term value: 1210 mg/m³, 500 ppm

#### 100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm

Long-term value: 441 mg/m³, 100 ppm

Sk

### 141-78-6 ethyl acetate

WEL | Short-term value: 1468 mg/m³, 400 ppm

Long-term value: 734 mg/m³, 200 ppm

#### Ingredients with biological limit values:

## 1330-20-7 xylene, mixed isomers, pure

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

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· Additional information:

The lists that were valid during the compilation were used as basis.

- · 8.2 Exposure controls
- · Personal protective equipment
- General protective and hygienic

measures

The usual precautionary measures should be adhered to in handling the

Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments.

Wash hands before breaks and at the end of the work.

Avoid contact with the eyes and skin.

· Breathing equipment: In a state of prolonged exposure time or when there is inadequate ventilation at the emission source:

Use gas filter devices with half or full face mask or portable air blower devices with vented hood.

Use filters for solvents (high and low boiling points) with color code brown (protection level A and protection class 2 or protection level AX). Filter loading dependents on maximum of the concentration of pollutants and its emitted amount.

AX filters may only be used as delivered (factory fresh). Reuse is absolutely inadmissible.

The maximum wearing time of the respirator shall be determined by safety experts and occupational physician according to the activities and stresses.

For short-term exposure or in well ventilated work areas (e.g. processing under effective local exhaust or under conditions with more than four times change of air ventilation in the room):

In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.

· Protection of hands:



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Butvl rubber. BR Material of gloves

use solvent stable gloves.

· Penetration time of glove material Butyl rubber (thickness min. 0.3 mm) max. 15 minutes

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· As protection from splashes gloves made of the following materials are suitable:

· Not suitable are gloves made of the following materials:

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR Natural rubber, NR Neoprene gloves

Safety glasses recommended during refilling. · Eye protection:



Safety glasses

· Body protection: Protective work clothing.

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

9.1 Information on basic physical and chemical propertie	9.1 Information	on basic physical a	and chemical	I properties
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· General Information

· Appearance:

· pH-value:

Form: Liquid

Colour: According to product specification

· Smell: Characteristic · Odour threshold: Not determined.

· Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 55 °C

· Flash point: -18 °C

· Inflammability (solid, gaseous) Not applicable.

260 °C · Ignition temperature:

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

Product is not explosive. However, formation of explosive air/steam mixtures is · Explosive properties:

possible.

Partly miscible

Not determined.

· Critical values for explosion:

Lower: 1.1 Vol % Upper: 12 Vol %

· Steam pressure at 20 °C: 104 hPa

· Density Not determined Relative density Not determined. · Vapour density Not determined. · Evaporation rate Not determined.

· Solubility in / Miscibility with

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Water:

dynamic: Not determined. kinematic: Not determined.

· Solvent content:

93.2 % Organic solvents:

Solids content: 6.8 %

9.2 Other information No further relevant information available.

#### **SECTION 10: Stability and reactivity**

· 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions

to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

reactions No dangerous reactions known

· 10.4 Conditions to avoid No further relevant information available. · 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition

**products:** No dangerous decomposition products known

#### **SECTION 11: Toxicological information**

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:		
ATE (Acu	te Toxicity	Estimates)
Dermal	LD50	4,967 mg/kg
Inhalative	LC50/ 4 h	234 mg/l

110-82-7 cyclohexane				
Oral	Oral LD50 12,705 mg/kg (rat)			
1330-20-7	1330-20-7 xylene, mixed isomers, pure			
Oral	Oral LD50 8,700 mg/kg (rat)			
Dermal	LD50	2,000 mg/kg (rbt)		
Inhalative LC50/ 4 h 6,350 mg/l (rat)				
64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)				
Oral	Oral LD50 2,000 mg/kg (Rat)			
Dermal	LD50	4,000 mg/kg (Rabbit)		
Inhalative	LC50/ 4 h	54 mg/l (Rat)		

Primary irritant effect:

• Skin corrosion/irritation Causes skin irritation.
• Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

• Germ cell mutagenicity
• Carcinogenicity
• Reproductive toxicity

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

• STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

#### SECTION 12: Ecological information

· 12.1 Toxicity

Aquatic toxicity:
 12.2 Persistence and degradability
 12.3 Bioaccumulative potential
 12.4 Mobility in soil
 No further relevant information available.
 No further relevant information available.
 No further relevant information available.

Ecotoxical effects:

· **Remark:** Very toxic for fish

· Additional ecological information:

According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:

Free of heavy metals (Pb, Cd, Hg, Cr6+)

Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers

(PBDEs) according to RoHS Directive.

General notes: Water hazard class 2 (Self-assessment): hazardous for water.

Prevent product from reaching ground water, water bodies or sewage systems.

Danger to drinking water even if small quantities leak into soil.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

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· **vPvB:** Not applicable.

**12.6 Other adverse effects**No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

· European waste catalogue (recommendation)		
08 04 99	wastes not otherwise specified	
HP 3	Flammable	
HP 4	Irritant - skin irritation and eye damage	
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity	
HP 6	Acute Toxicity	
HP 14	Ecotoxic	

Additional information about the

European waste catalogue:

The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements. The obove mentioned classification is only one possible proposal.

· Uncleaned packagings:

• **Recommendation:** Disposal according to official regulations.

## **SECTION 14: Transport information**

· 14.1 UN-Number · ADR, IMDG, IATA	UN1866
14.2 UN proper shipping name	
ADR	RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, (vapour pressure at 50°C not more than 110 kPa)
· IMDG	RESIN SOLUTION (CYCLOHEXANE, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)), MARINE POLLUTANT
· IATA	RESIN SOLUTION

· 14.3 Transport hazard class(es)

· ADR





· Class 3 (F1) Flammable liquids. · Label 3

·IMDG





· Class 3 Flammable liquids.

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· Label	3	
· IATA		
· Class · Label	3 Flammable liquids. 3	
· 14.4 Packing group · ADR, IMDG, IATA	II	
· 14.5 Environmental hazards: · Marine pollutant:	Product contains environmentally hazardous substances: cyclohexane Yes	
· Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)	
· 14.6 Special precautions for user · Page: · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.		
· Transport/Additional information:		
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml	
· Transport category · Tunnel restriction code	2 D/E	

5L

Code: E2

**HAZARDOUS** 

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

UN 1866 RESIN SOLUTION (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II, ENVIRONMENTALLY

### **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU

· Limited quantities (LQ)

Excepted quantities (EQ)

· UN "Model Regulation":

· Named dangerous substances -

ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

100 t

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the

application of lower-tier

requirements

Qualifying quantity (tonnes) for the

application of upper-tier

requirements 200 t

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· REGULATION (EC) No 1907/2006

**ANNEX XVII** Conditions of restriction: 3, 57

· National regulations

Information about limitation of use: Employment restrictions concerning young persons must be observed.

Decree to be applied in case of

technical fault:

Critical quantity values according to the regulations on accidents should be

adhered to.

· Technical instructions (air):

Class | Share in % Ш 2.6 NK 90.6

· Water hazard class:

Water hazard class 2 (Self-assessment): hazardous for water. A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

· 15.2 Chemical safety assessment:

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

H225 Highly flammable liquid and vapour. Relevant phrases

H226 Flammable liquid and vapour.

H300 Fatal if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal in contact with skin. 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.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the hearing organs through prolonged or repeated

exposure.

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.

· Department issuing data specification sheet:

tesa SE, Quality Management/Environment/Safety

Contact: tesa SE: Dr. D. Lamm, Phone: +49-40-88899-2977, Email: dirk.lamm@tesa.com tesa SE: Dr. A. Koeth, Phone: +49-40-88899-3938, Email: anja.koeth@tesa.com

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer Abbreviations and acronyms: (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 1: Acute toxicity – Category 1 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Skin Sens. 1: Skin sensitisation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1

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Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

\* Data compared to the previous version altered.

GB —