

Safety data sheet according to UK REACH

Printing date 06.06.2025

Version number 1.2 (replaces version 1.1)

Revision: 06.06.2025

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

· 1.1 Product identifier

· **Trade name:** KEIM DISPERSION-REMOVER

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

· Application of the substance / the mixture

Removal of emulsion and latex coatings based on styrenated and pure acrylate resins, acrylic resin paints, crack-bridging systems and synthetic resin renders on render, concrete or natural stone.

· **Uses advised against** All other uses are not recommended.

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

KEIM MINERAL PAINTS LTD

Santok Building / Deer Park Way, Donnington Wood GB-Telford, Shropshire TF2 7NA

Tel +44 1952 231 250 / Fax +44 1952 231 251

www.keim.com / sales@keimpaints.co.uk

· Further information obtainable from:

David Pratt

Telefon: +44 1952 231250

E-Mail: sales@keimpaints.co.uk

· 1.4 Emergency telephone number:

GBK GmbH Global Regulatory Compliance

Emergency number: +49(0)6132/84463

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

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

· Hazard pictograms



GHS07

· Signal word

· Hazard statements

H319 Causes serious eye irritation.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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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P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with regional/national regulations.
Additional information: Restricted to professional users.	
2.3 Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable	
vPvB: Not applicable	

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Solvent/Surfactant alloy, thixotropic

Dangerous components:

EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39-XXXX	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  Asp. Tox. 1, H304, EUH066	2.5-<10%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-XXXX	Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt  Eye Dam. 1, H318;  Skin Irrit. 2, H315	0.1-<2.5%
CAS: 142-16-5 EINECS: 205-524-5 Reg.nr.: 01-2119524002-60-XXXX	Bis(2-ethylhexyl) maleate  STOT RE 2, H373;  Aquatic Chronic 1, H410	0.1-<0.25%
EC number: 906-170-0 Reg.nr.: 01-2119475445-32-XXXX	Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate	50-75%

Additional information:

Labelling of ingredients according to Regulation EC No. 648/2004 :
 < 5 % anionic surfactants, < 5% soap, 5 - < 15 % aliphatic hydrocarbons.
 For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

With appearance of symptoms or in cases of doubt seek medical advice .
 When seeing the doctor we suggest to present this safety data sheet.
 Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.
 Keep affected person warm and quiet.

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In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Do not use solvents or thinners.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse mouth and throat well with water.

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

· 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, powder or water spray. Fight larger fire with alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 Special hazards arising from the substance or mixture

In case of fire, thick, black smoke develops. Inhalation of the dangerous decomposition products may cause serious health damages.

In case of fire, the following can be released:

carbon oxide (CO_x)

Nitrogen oxides (NO_x)

· 5.3 Advice for firefighters

· Special protective equipment: Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.

In case of fire do not breathe smoke, fumes and vapours.

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

Keep away from ignition sources.

Respect the protection rules (see section 7 and 8).

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not inhale fumes.

· 6.2 Environmental precautions:

Do not allow product to reach soil, sewage system or any water course.

Follow local governmental rules and regulations.

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· 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with non-combustible liquid-binding material (sand, earth, diatomite, vermiculite).

Send for recovery or disposal in suitable receptacles.

Dispose of the material collected according to regulations.

Clear contaminated areas thoroughly.

· 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 disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Use only in well ventilated areas.

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Do not inhale aerosols.

In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection).

Ensure good ventilation/exhaustion at the workplace.

See item 8 (8.2) for information about suitable protective equipment and technical precautions.

Respect the protection rules.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

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 receptacles:

Keep in the original containers in a cool and dry place.

Store only in unopened original receptacles.

· Information about storage in one common storage facility:

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

Store away from oxidising agents.

· Further information about storage conditions:

Protect from frost.

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

Store at temperatures between 5 °C and 35 °C.

Please note information on label

· Storage class: 11

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

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

EC-Nr. 906-170-0

 TRGS 900, AGW, long-term value: 8 mg/m³; 1.2 ppm

· **DNELs**

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate

Inhalative	Long-term - local effects	5 mg/m ³ (consumer) 8.3 mg/m ³ (worker)
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577-11-7 Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt

Oral	Long-term - systemic effects	17.86 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	160.71 mg/kg bw/day (consumer) 267.86 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects	559.01 mg/m ³ (consumer) 1,889.1 mg/m ³ (worker)

142-16-5 Bis(2-ethylhexyl) maleate

Dermal	Long-term - systemic effects	2.5 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects	7 mg/m ³ (worker)

· **PNECs**

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate

Aquatic compartment - freshwater	0.018 mg/l (Freshwater)
Aquatic compartment - marine water	0.0018 mg/l (Seawater)
Aquatic compartment - water, intermittent releases	0.18 mg/l (not specified)
Aquatic compartment - sediment in freshwater	0.16 mg/kg sed dw (Freshwater sediment)
Aquatic compartment - sediment in marine water	0.16 mg/kg sed dw (Marine sediment)

577-11-7 Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt

Aquatic compartment - freshwater	0.18 mg/l (Freshwater)
Aquatic compartment - marine water	0.018 mg/l (Seawater)
Aquatic compartment - sediment in freshwater	17.789 mg/kg sed dw (Freshwater sediment)
Aquatic compartment - sediment in marine water	1.779 mg/kg sed dw (Marine sediment)
Terrestrial compartment - soil	1.04 mg/kg dw (soil)
Sewage treatment plant	122 mg/l (Sewage treatment plant)

142-16-5 Bis(2-ethylhexyl) maleate

Aquatic compartment - freshwater	0.001 mg/l (Freshwater)
Aquatic compartment - marine water	0.0001 mg/l (Seawater)
Aquatic compartment - sediment in freshwater	15.95 mg/kg sed dw (Freshwater sediment)
Aquatic compartment - sediment in marine water	1.595 mg/kg sed dw (Marine sediment)
Terrestrial compartment - soil	3.19 mg/kg dw (soil)

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Sewage treatment plant	100 mg/l (Sewage treatment plant)
Oral secondary poisoning	20 mg/kg food (not specified)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Avoid contact with the eyes and skin.

Do not inhale aerosols.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

Combination filter A2/P2

Hand protection Protective gloves

Material of gloves

suitable material e.g.:

Nitrile rubber, NBR

KCL Camatril

Recommended thickness of the material: ≥ 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Value for the permeation: level ≥ 6 (> 480 min)

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

Eye/face protection

Goggles recommended during refilling

Tightly sealed goggles

Body protection:

Protective work clothing

Solvent resistant protective clothing

Environmental exposure controls

See Section 12 and 6.2

No further relevant information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

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· Colour:	Yellowish
· Odour:	Fruit-like
· Odour threshold:	Not determined
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	100 °C
· Flammability	Not determined
· Lower and upper explosion limit	
· Lower:	0.9 Vol %
· Upper:	23.5 Vol %
· Flash point:	62 °C (Pensky-Martens)
· Auto-ignition temperature:	190 °C
· Decomposition temperature:	Not determined
· pH at 20 °C	7-8* (1 Gew-%) (pH-Elektrode)
· Viscosity:	
· Kinematic viscosity at 20 °C	5000-7000* mm ² /s
· Dynamic:	
· Solubility	
· water:	Emulsifiable
· Partition coefficient n-octanol/water (log value)	
142-16-5	Bis(2-ethylhexyl) maleate
	Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate
	7,24
	1,4
· Vapour pressure at 20 °C:	0.6 mbar
· Density and/or relative density	
· Density at 20 °C:	1.0-1.1* g/cm ³ (Pyknometer)
· Relative density	Not determined
· Vapour density	Not determined
· 9.2 Other information	*The values are for freshly produced material and may change with the time.
· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (EC)	237.8 g/l (Richtlinie 2010/75/EU)
· Change in condition	
· Evaporation rate	Not determined
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void

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· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with acids, alkalis and oxidising agents.
Exothermic reaction.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Acids
Bases
Oxidizing agents
- **10.6 Hazardous decomposition products:**
In case of fire, thick, black smoke develops. Inhalation of the dangerous decomposition products may cause serious health damages.
In case of fire, the following can be released:
Carbon oxides (COx)
Nitrogen oxides (NOx)
No hazardous decomposition products if stored and handled as prescribed.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:
Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
		>2,250 mg/kg (rabbit)

Inhalative LC50/4 h >11 mg/l (rat)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>4,951 mg/l /OECD 4 (rat) (Vapours)

· Primary irritant effect:
· Skin corrosion/irritation

Has de-greasing effect on skin.

Frequent persistent contact with the skin may cause skin irritation.

· Serious eye damage/irritation

Causes serious eye irritation.

· during inhalation: Irritant effect possible.

· during swallowing: Irritant effect possible

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

· Other information (about experimental toxicology):

Excessive exposure, e.g. poor indoor ventilation, can cause blurred vision. This is reversible when fresh air is supplied.

Experimental analysis are not available.

The product was not tested. The statements on toxicology have been derived from the properties of the individual components.

· Subacute to chronic toxicity:
· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Not applicable

· 11.2 Information on other hazards
· Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate

EC 50/48h	112-150 mg/l (daphnia)
ErC50/72h	>85 mg/l (algae)
LC 50/96 h	18-24 mg/l (fish)

- **12.2 Persistence and degradability**

biodegradable

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate | 97 (28d) %

- **12.3 Bioaccumulative potential** No further relevant information available.

- **Bioconcentration factor (BCF)**

577-11-7	Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt	9,33
142-16-5	Bis(2-ethylhexyl) maleate	3,61

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **AOX-indication:**

Due to the substance of content which do not include organic jointed halogens, the product can not take influence on the AOX-load of the waste water.

- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**

According to our current data base the product does not consist of any heavy metals or substances of EU guideline NO. 2006/11/EC.

- **General notes:**

At present there are no ecotoxicological assessments.

The statements on ecotoxicology have been derived from the properties of the individual components.

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

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

Disposal must be made according to official regulations.

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· European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary with cleansing agents.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information:	No dangerous good in sense of these transport regulations.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

· Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

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· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Labelling according to Regulation (EC) No 1272/2008

For information on labelling please refer to section 2 of this document.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII

· ANNEX I EXPORT SUBSTANCES DECLARABLE FOR EXPLOSIVES in quantities > 1%.

None of the ingredients is listed.

· National regulations:

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Other regulations, limitations and prohibitive regulations

· Please note:

REGULATION (EC) No 648/2004 on detergents

TRGS 200 (Germany)

TRGS 500 (Germany)

TRGS 510 (Germany)

TRGS 900 (Germany)

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

· A Chemical Safety Assessment has been carried out for the following substances in this preparation:

EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39-XXXX	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠️ Asp. Tox. 1, H304, EUH066
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-XXXX	Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt ⚠️ Eye Dam. 1, H318; ⚠️ Skin Irrit. 2, H315
CAS: 142-16-5 EINECS: 205-524-5 Reg.nr.: 01-2119524002-60-XXXX	Bis(2-ethylhexyl) maleate ⚠️ STOT RE 2, H373; ⚠️ Aquatic Chronic 1, H410

SECTION 16: Other information

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

· Relevant phrases

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing SDS:** KEIMFARBEN Germany, Product safety department

· **Abbreviations and acronyms:**

WEL: Workplace exposure limit

ADR: Accord relatif au transport international 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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC10: Effective concentration at 10% mortality rate.

EC50: Half maximal effective concentration.

LC10: Lethal concentration at 10% mortality rate.

NOEC: No observed effect concentration.

UK REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)

ATE: Acute toxicity estimate values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· *** Data compared to the previous version altered.**

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