

## SAFETY DATA SHEET **KORROSOL**

Revision Number 1.1  
Compilation date: 29/11/16

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE OF THE COMPANY/ UNDERTAKING

#### 1.1 Product Identifier

Trade name: Korrosol

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

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category: PC35 Washing and cleaning products (including solvent based products)

Application of the substance / the mixture: Car care product

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

Company name and address:

Bilt Hamber Laboratories Radford Way,  
Billericay,  
Essex,  
CM12 0EG  
United Kingdom

Tel: 01277 658899

Email: sales@bilthamber.com

#### 1.4.Emergency telephone number

01277 658899 (office hours only)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

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

Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Xi;

Sensitising

R43: May cause sensitisation by skin contact.

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS07

Signal word: Warning

#### Hazard-determining components of labelling:

sodium mercaptoacetate

#### Hazard statements

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P261 Avoid breathing spray.  
 P280 Wear protective gloves.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

No other information is available

### Hazardous components which must be listed on the label

Contains Ethoxylated Alcohol

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Description:	aqueous surfactant solution with additives
Dangerous components:	CAS: 367-51-1
EINECS:	206-696-4
Reg.nr.:	01-2119968564-24-xxxx sodium mercaptoacetate solution

Xn R21/22; Xi R43  
 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317 15-25%  
 CAS: 126-92-1  
 EINECS: 204-812-8  
 Fatty alcohol sulfate  
 Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315 < 5%

Regulation (EC) No 648/2004 on detergents / Labelling for contents  
 anionic surfactants < 5%  
 perfumes, methylisothiazolinone, benzisothiazolinone, sodium pyrrithione

Additional information: For the wording of the listed R phrases or H statements, refer to section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information:	Remove soiled clothing
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Wash the areas of skin affected with water and a mild detergent.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water. Induce vomiting only, if affected person is fully conscious. Call a doctor immediately.

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

Sensitisation Headache  
 Dizziness  
 Drowsiness  
 Gastric or intestinal disorders

### 4.3. Indication of any immediate medical attention or special treatment needed

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment

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### SECTION 5: FIRE-FIGHTING MEASURES

**5.1. Extinguishing media**

Suitable extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for fire-fighters**

Protective equipment: The normal measures for firefighting are to be taken.

Additional information: Collect contaminated fire-fighting water separately. It must not enter the sewage system

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**6.2. Environmental precautions**

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

**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.

Information about fire - and explosion protection: No special measures required.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.

Do not store together with alkalis (caustic solutions).

Do not store together with acids.

Store away from foodstuffs.

Further information about storage conditions:

Store receptacle in a well ventilated area.

Protect from frost.

Recommended storage temperature: 20 °C.

**7.3. Specific end use(s)**

No further relevant information available.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

**8.2. Exposure controls**

Personal protective equipment:

(Continue...)

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**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

Respiratory protection: Not required in normal cases  
Ensure good ventilation/exhaustion at the workplace.

Protection of hands: Protective gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves: Nitrile rubber, NBR  
Recommended thickness of the material: 0.4 mm  
[EN 374]

Penetration time of glove material: Value for the permeation: Level 6 (480min)

Eye protection: Not required in normal cases

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

General Information

<b>Appearance:</b>	Fluid
<b>Form:</b>	Fluid
<b>Colour:</b>	colourless - light red
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>pH-value at 20- 25°C:</b>	5.5-7.0
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C:</b>	1.11 - 1.12 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Flow time at 20 °C</b>	13 - 20 s (DIN EN ISO 2431/4mm)
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

**9.2. Other information**

No further relevant information available.

(Continue...)

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**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Reactivity: No dangerous reactions known.

**10.2. Chemical stability**

Chemical stability: Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

Conditions to avoid: See Section 7 for information on safe handling.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products**

No dangerous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

There are no toxicological findings on this mixture.

Acute toxicity:

LD/LC50 values relevant for classification:

Oral ATE 1429 mg/kg (-) (Additivity formula)  
Dermal ATE 8030 mg/kg (-) (Additivity formula)

367-51-1 sodium mercaptoacetate solution

Oral LD50 200 - 500 mg/kg (rat) (OECD 423 (Conc. 46%))  
Dermal LD50 1000-2000 mg/kg (rat) (OECD 402 (Conc. 98%))

126-92-1 Fatty alcohol sulfate:

Oral LD50 >2000 mg/kg (rat)

Primary irritant effect:

on the skin:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

on the eye:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Sensitisation:

Result:

Causes sensitization

Species:

mouse

Method:

OECD 429

Repeated dose toxicity:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

There is no ecotoxicological data available on this mixture.

Aquatic toxicity:

367-51-1 sodium mercaptoacetate solution  
EC50 / 48h 38 mg/l (Daphnia magna) (84/449/EWG (Subs. thioglycolic acid))  
EC50 / 72h 13 mg/l (Pseudokirchneriella subcapitata) (OECD 201 (Subs. thioglycolic acid))  
LC 50 / 96 h >100 mg/l (Oncorhynchus mykiss) (OECD 203 (Subs. thioglycolic acid))  
LC50 / 48h 880 mg/l (Leuciscus idus) (DIN 38412 / 15 (Subs. thioglycolic acid))

126-92-1 Fatty alcohol sulfate

EC0 >100 mg/l (bacteria) (OECD 209)

LC 50 >100 mg/l (fish) (ISO 7346/2 (semistatic))

(Continue...)

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### 12.2. Persistence and degradability

The surface-active substances contained in the product meet the requirement of the EU Detergent Regulation ( EC/648/2004 ) for ultimate biodegradability for surfactants in detergents.

367-51-1 sodium mercaptoacetate solution  
Biodegradation 67 % (-) (28d OECD 301d (thioglycolic acid))

126-92-1 Fatty alcohol sulfate  
Biodegradation >60 % (-) (BSB/CSB (OECD 301))

### 12.3. Bioaccumulative potential

367-51-1 sodium mercaptoacetate solution  
log POW -2.99 log POW (-) (20 °C OECD 107 (thioglycolic acid))

### 12.4. Mobility in soil

No further relevant information available.

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system..

### 12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6. Other adverse effects

No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dangerous waste in accordance with the Directive on the List of Waste Materials

Recommendation: Waste must be disposed of while observing the local, official regulations.

European waste catalogue

1) Disposal / product

2) Disposal / contaminated packaging

20 01 29\* detergents containing dangerous substances

15 01 10\* packaging containing residues of or contaminated by dangerous substances

## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1 UN number

ADR, IMDG, IATA Void

### 14.2 UN proper shipping name

IMDG, IATA Void-

### 14.3 Transport hazard class(es)

ADR, ADN, 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

UN "Model Regulation

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### SECTION 15: REGULATORY INFORMATION

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

Information about limitation of use:   Employment restrictions concerning juveniles must be observed.  
   Employment restrictions concerning pregnant and lactating women must be observed.

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### 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

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 R21/22 Harmful in contact with skin and if swallowed.  
 R38 Irritating to skin.  
 R41 Risk of serious damage to eyes.  
 R43 May cause sensitisation by skin contact.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 NOEL = No Observed Effect Level  
 NOEC = No Observed Effect Concentration  
 LC = Lethal Concentration  
 EC50 = half maximal effective concentration log  
 POW = Octanol / water partition coefficient  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 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  
 IOELV = indicative occupational exposure limit values  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.