# Safety data sheet
## according to UK REACH

Printing date 18.09.2024 Version: 6.01 Revision: 21.06.2022

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

**1.1 Product identifier**

**Trade name: SONAX Iron Remover**

**Article number:**
05135050, 05139050-050
**UFI:** 75F0-P0NV-400V-YQQW
**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**Application of the substance / the mixture**
Car care product
Detergents
Consumer uses: Private households / general public / consumers
Professional uses
**Uses advised against** None

**1.3 Details of the supplier of the safety data sheet**
**Manufacturer/Supplier:**
SONAX GmbH
Münchener Straße 75
D-86633 Neuburg (Donau)
Tel.: ++49 (0)8431/53-0

**Further information obtainable from:**
Product safety
E-mail: erp@sonax.de
Phone: + +49 (0) 8431 53 217
**United Kingdom:**
Anglo American Oil Company Ltd
58 Holton Road, Holton Heath Trading Park, Poole, Dorset, BH16 6LT
Telephone: (+44) 01929 551557
Email: info@aaoil.co.uk

**1.4 Emergency telephone number:**
**European Union: +49 (0) 89 19240** (Poison Centre Munich)
**United Kingdom: 0344 892 0111** (UK NPIS)
Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111
In Northern Ireland, contact your local GP

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## 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.

**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** Warning

**Hazard-determining components of labelling:**
Sodium mercaptoacetate
**Hazard statements**
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
**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.

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P280 Wear protective gloves.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**
**PBT:**
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT
**vPvB:**
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.
**Determination of endocrine-disrupting properties**
The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** aqueous tenside solution with additives

| **Dangerous components:** | | |
|---|---|---|
| CAS: 367-51-1<br>EINECS: 206-696-4<br>Reg.nr.: 01-2119968564-24-xxxx | sodium mercaptoacetate solution (46%)<br>Acute Tox. 4, H302; Skin Sens. 1B, H317 | 20-<25% |
| CAS: 126-92-1<br>EINECS: 204-812-8<br>Reg.nr.: 01-2119971586-23-xxxx | sodium etasulfate<br>Eye Dam. 1, H318; Skin Irrit. 2, H315<br>Specific concentration limits: Eye Dam. 1; H318: C ≥ 20 %<br>Eye Irrit. 2; H319: 10 % ≤ C < 20 % | 1-<3% |

| **Regulation (EC) No 648/2004 on detergents / Labelling for contents** | |
|---|---|
| anionic surfactants | <5% |
| perfumes (LIMONENE) | |

**Additional information:** 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:** 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.
If symptoms persist consult doctor.
**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**
sensitization
Headache
Dizziness
Drowsiness
Gastric or intestinal disorders

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**4.3 Indication of any immediate medical attention and special treatment needed**
Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**
**Suitable extinguishing agents:** 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 firefighters**
**Protective equipment:**
The normal measures for firefighting are to be taken.
Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.
**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
**For non-emergency personnel**
Avoid contact with the eyes and skin.
The usual precautionary measures are to be adhered to when handling chemicals.
**For emergency responders** Wear protective equipment. Keep unprotected persons away.
**6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
**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 section 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.
Provide solvent resistant, sealed floor.
**Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from foodstuffs.
Observe local/state/federal regulations.
**Further information about storage conditions:**
Store receptacle in a well ventilated area.
Protect from frost.
Recommended storage temperature: 20 °C.
Protect from heat and direct sunlight.
**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:**

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

| DNELs | | |
|---|---|---|
| **CAS: 367-51-1 sodium mercaptoacetate solution (46%)** | | |
| Dermal | DNEL | 2.06 mg/kg (wls) |
| Inhalative | DNEL | 1.41 mg/kg (wls) |
| **CAS: 126-92-1 sodium etasulfate** | | |
| Oral | DNEL | 24 mg/kg (vls) |
| Dermal | DNEL | 2,440 mg/kg (vls) |
| | | 4,060 mg/kg (wls) |
| Inhalative | DNEL | 85 mg/m³ (vls) |
| | | 285 mg/m³ (wls) |

| PNECs | |
|---|---|
| **CAS: 367-51-1 sodium mercaptoacetate solution (46%)** | |
| PNEC | 0.038 mg/l (freshwater (Süßwasser)) |
| | 0.0038 mg/l (water (sea water)) |
| **CAS: 126-92-1 sodium etasulfate** | |
| PNEC | 1.35 mg/l (sewage plant) |
| | 4.83 mg/l (sporadic release) |
| | 0.1357 mg/l (water (fresh water)) |
| | 0.01357 mg/l (water (sea water)) |
| PNEC | 0.22 mg/kg (gro) |
| | 1.5 mg/kg (sediment (fresh water)) |
| | 0.15 mg/kg (sediment (sea water)) |

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

**8.2 Exposure controls**

**Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

**Individual protection measures, such as personal protective equipment**

**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:**

Ensure good ventilation/exhaustion at the workplace.
If the occupational exposure limit is exceeded:
The following breathing protection is recommended:
Respiratory filter for organic gases and vapours (Type A)
Identification colour: Brown
[DIN EN 14387]

**Hand protection**

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)

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**Eye/face protection** Goggles recommended during refilling

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **General Information** | |
| **Physical state** | Fluid |
| **Colour:** | Light red |
| **Odour:** | Citrus |
| **Melting point/freezing point:** | Undetermined. |
| **Boiling point or initial boiling point and boiling range** | 100 °C (CAS: 7732-18-5 water) |
| **Flammability** | Product is not flammable. |
| **Lower and upper explosion limit** | |
| **Lower:** | Not applicable |
| **Upper:** | Not applicable |
| **Flash point:** | Not applicable. |
| **Decomposition temperature:** | Not determined. |
| **pH at 20 °C** | 7-8 |
| **Viscosity:** | |
| **Kinematic viscosity at 40 °C** | <20.5 mm²/s |
| **Solubility** | |
| **water:** | Fully miscible. |
| **Partition coefficient n-octanol/water (log value)** | Not determined. |
| **Vapour pressure at 20 °C:** | 23 hPa (CAS: 7732-18-5 water) |
| **Density and/or relative density** | |
| **Density at 20 °C:** | 1.11-1.12 g/cm³ |
| **Vapour density** | Not determined. |

### 9.2 Other information

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Fluid |
| **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. |
| **Change in condition** | |
| **Evaporation rate** | Not determined. |

| | |
|---|---|
| **Information with regard to physical hazard classes** | |
| **Explosives** | Void |
| **Flammable gases** | Void |
| **Aerosols** | Void |
| **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** | Not corrosive to metals in line with 37.4 UN RTDG, handbook on test methods and criteria. |
| **Desensitised explosives** | Void |



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## SECTION 10: Stability and reactivity

**10.1 Reactivity** No dangerous reactions known.
**10.2 Chemical stability** Stable under normal conditions.
**10.3 Possibility of hazardous reactions** No dangerous reactions known.
**10.4 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 hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute toxicity**
Harmful if swallowed.

| **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| Oral | ATE | 1,429 mg/kg (Additivity formula) |
| Dermal | ATE | >5,000 mg/kg (Additivity formula) |

| **CAS: 367-51-1 sodium mercaptoacetate solution (46%)** | | |
|---|---|---|
| Oral | LD50 | 200-500 mg/kg (rat) (OECD 423 (Conc. 46%)) |
| Dermal | LD50 | 1,000-2,000 mg/kg (rat) (OECD 402 (Conc. 98%)) |
| **CAS: 126-92-1 sodium etasulfate** | | |
| Oral | LD50 | 2,840 mg/kg (rat) |
| Dermal | LD 50 | >2,000 mg/kg (rat) |

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**
Result: Causes sensitization
Species: mouse
Method: OECD 429
May cause an allergic skin reaction.

**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.
**11.2 Information on other hazards**
**Endocrine disrupting properties**
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

None of the ingredients is listed.

## SECTION 12: Ecological information

**12.1 Toxicity** There are no ecotoxicological data available on this mixture.

| **Aquatic toxicity:** | |
|---|---|
| **CAS: 367-51-1 sodium mercaptoacetate solution (46%)** | |
| LC50 / 96h | >100 mg/l (Oncorhynchus mykiss) (OECD 203 (Subs. thioglycolic acid)) |
| LC50 / 48h | 880 mg/l (Leuciscus idus) (DIN 38412 / 15 (Subs. thioglycolic acid)) |
| 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)) |

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**12.2 Persistence and degradability**
The surface-active substances contained in the product meet the requirement of the EU Detregent Regulation ( EC/648/2004 ) for ultimate biodegradability for surfactants in detergents.

| CAS: 367-51-1 sodium mercaptoacetate solution (46%) | |
|---|---|
| Biodegradation | 67 % (28d OECD 301d (thioglycolic acid)) |

| 12.3 Bioaccumulative potential | |
|---|---|
| CAS: 367-51-1 sodium mercaptoacetate solution (46%) | |
| log POW | -2.99 (20°C OECD 107 (thioglycolic acid)) |

**12.4 Mobility in soil** No further relevant information available.
**12.5 Results of PBT and vPvB assessment**
**PBT:**
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as PBT
**vPvB:**
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as vPvB
**12.6 Endocrine disrupting properties**
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.
**12.7 Other adverse effects**
**Additional ecological information:**
**General notes:** The product may not be released into the environment without control.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation** Waste must be disposed of while observing the local, official regulations.

| European waste catalogue | |
|---|---|
| 20 01 29* | detergents containing dangerous substances |

**Uncleaned packaging:**
15 01 10*: packaging containing residues of or contaminated by dangerous substances
**Recommendation:**
Packaging may be reused or recycled after cleaning.
15 01 02: plastic packaging
**Recommended cleansing agents:** Water

## SECTION 14: Transport information

| | |
|---|---|
| **14.1 UN number or ID number** | |
| **ADR/RID/ADN, IMDG, IATA** | Void |
| **14.2 UN proper shipping name** | |
| **ADR/RID/ADN** | Void |
| **IMDG, IATA** | Void |
| **14.3 Transport hazard class(es)** | |
| **ADR/RID/ADN, ADN, IMDG, IATA** | |
| **Class** | Void |
| **14.4 Packing group** | |
| **ADR/RID/ADN, IMDG, IATA** | Void |
| **14.5 Environmental hazards:** | |
| **Marine pollutant:** | No |

**14.6 Special precautions for user** Not applicable.

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| | |
|---|---|
| **UN "Model Regulation":** | Void |

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**European Directives:**
**Directive 2010/75/EU (VOC)** not subject to
**Catégorie SEVESO (DIRECTIVE 2012/18/EU)** not subject to
**REGULATION (EU) 2019/1148**

| **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))** |
|---|
| None of the ingredients is listed. |

| **Annex II - REPORTABLE EXPLOSIVES PRECURSORS** |
|---|
| None of the ingredients is listed. |

**National regulations:**

**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.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

| **Classification according to Regulation (EC) No 1272/2008** | |
|---|---|
| Acute toxicity - oral<br>Skin sensitisation | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |

**Date of previous version:** 09.06.2022
**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)
NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = letal Concentration
EC50 = half maximal effective concentration
log POW = Octanol / water partition coefficient
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ATE: acute toxicity estimate
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
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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IOELV = indicative occupational exposure limit values
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
*** Data compared to the previous version altered.**