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

1.1. Product identifier

Product form : Mixture
Product name : ANTI-SEIZE Compound

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Industrial/Professional use spec : For professional use only
Industrial Use of the substance/mixture : Lubricants, Greases and Release Products

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ROCOL a division of ITW Ltd
Rocol House
Wakefield Rd, Swillington
LS26 8BS Leeds - United Kingdom
T +44 (0)113 232 2600
customer.service@rocol.com - www.rocol.com

1.4. Emergency telephone number

Emergency number : +44 (0)113 232 2600

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects
Harmful if inhaled. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

GHS09

Signal word (CLP) : Warning
Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.
P391 - Collect spillage.
P273 - Avoid release to the environment.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
</table>
| Copper | (CAS-No.) 7440-50-8  
(EC-No.) 231-159-6  
(REACH-no) 01-2119480154-42 | 15 – 30 | Acute Tox. 4 (Oral), H302  
Aquatic Acute 1, H400 (M=10)  
Aquatic Chronic 2, H411 |
| Disodium sebacate | (CAS-No.) 17265-14-4  
(EC-No.) 241-300-3  
(REACH-no) 01-2120762063-61 | 1 – 2.4 | Eye Irrit. 2, H319 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel


6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Shovel or sweep up and put in a closed container for disposal.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

Packaging materials: Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ANTI-SEIZE Compound

United Kingdom - Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Local name</th>
<th>Calcium carbonate (Limestone, Marble)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ total inhalable</td>
</tr>
<tr>
<td></td>
<td>4 mg/m³ respirable</td>
</tr>
</tbody>
</table>

Copper (7440-50-8)

EU - Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Local name</th>
<th>Copper</th>
</tr>
</thead>
<tbody>
<tr>
<td>IOELV TWA (mg/m³)</td>
<td>0,01 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>Notes</td>
<td>(Year of adoption 2014)</td>
</tr>
<tr>
<td>Regulatory reference</td>
<td>SCOEL Recommendations</td>
</tr>
</tbody>
</table>
**ANTI-SEIZE Compound**

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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**Copper (7440-50-8)**

**United Kingdom - Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Local name</th>
<th>Copper</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL TWA (mg/m³)</td>
<td>0,2 mg/m³ fume (as Cu)</td>
</tr>
<tr>
<td></td>
<td>1 mg/m³ and compounds, dusts and mists (as Cu)</td>
</tr>
<tr>
<td>WEL STEL (mg/m³)</td>
<td>2 mg/m³ and compounds, dusts and mists (as Cu)</td>
</tr>
</tbody>
</table>

**8.2. Exposure controls**

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

**Hand protection:**

Protective gloves. Nitrile rubber gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

Not required for normal conditions of use

**Personal protective equipment symbol(s):**

---

**Environmental exposure controls:**

Avoid release to the environment.

---

**SECTION 9: Physical and chemical properties**

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>dark brown.</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>&gt; 280 °C</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 280 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>≈ 1,3</td>
</tr>
</tbody>
</table>
Solubility: insoluble in water.
Partition coefficient n-octanol/water (Log Pow): No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: Not applicable

9.2. Other information
VOC content: 0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Open flame. Heat.

10.5. Incompatible materials
Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: May liberate toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

Disodium sebacate (17265-14-4)
LD50 oral rat: > 5000 mg/kg
LD50 dermal rat: > 2000 mg/kg

Copper (7440-50-8)
LC50 Inhalation - Rat: > 5.11 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Very toxic to aquatic life. Before neutralisation, the product may represent a danger to aquatic organisms. 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): Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
European List of Waste (LoW) code: 13 08 99* - wastes not otherwise specified

SECTION 14: Transport information

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3077</td>
<td>UN 3077</td>
<td>UN 3077</td>
<td>UN 3077</td>
<td>UN 3077</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</th>
<th>Environmentally hazardous substance, solid, n.o.s.</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</th>
</tr>
</thead>
</table>

10/12/2020 (Version: 12.1)
# Transport document description

<table>
<thead>
<tr>
<th>UN 3077</th>
<th>UN 3077</th>
<th>UN 3077</th>
<th>UN 3077</th>
<th>UN 3077</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains coated copper flake), 9, III, (-)</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains coated copper flake), 9, III, MARINE POLLUTANT</td>
<td>Environmentally hazardous substance, solid, n.o.s. (contains coated copper flake), 9, III</td>
<td>Environmentally hazardous substance, solid, n.o.s. (contains coated copper flake), 9, III</td>
<td>Environmentally hazardous substance, solid, n.o.s. (contains coated copper flake), 9, III</td>
</tr>
</tbody>
</table>

### 14.3. Transport hazard class(es)

| 9 | 9 | 9 | 9 | 9 |

![Transport hazard class symbol](https://example.com/symbol.png)

### 14.4. Packing group

| III | III | III | III | III |

### 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
- Classification code (ADR): M7
- Special provisions (ADR): 274, 335, 375, 601
- Limited quantities (ADR): 5 kg
- Excepted quantities (ADR): E1
- Packing instructions (ADR): PP12, B3
- Special packing provisions (ADR): PP12, IBC08, LP02, R001
- Portable tank and bulk container instructions (ADR): T1, BK1, BK2, BK3
- Portable tank and bulk container special provisions (ADR): TP33
- Tank code (ADR): SGAV, LGBV
- Vehicle for tank carriage: AT
- Transport category (ADR): 3
- Special provisions for carriage - Packages (ADR): V13
- Special provisions for carriage - Bulk (ADR): VC1, VC2
- Special provisions for carriage - Loading, unloading and handling (ADR): CV13
- Hazard identification number (Kemler No.): 90
- Orange plates: 90
- Tunnel restriction code (ADR): -
- EAC code: 2Z

#### Transport by sea
- Special provisions (IMDG): 274, 335, 966, 967, 969
- Limited quantities (IMDG): 5 kg
- Excepted quantities (IMDG): E1
- Packing instructions (IMDG): LP02, P002
- Special packing provisions (IMDG): PP12
- IBC packing instructions (IMDG): IBC08
- IBC special provisions (IMDG): B3

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10/12/2020 (Version: 12.1)

Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23

Air transport
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197
ERG code (IATA) : 9L

Inland waterway transport
Classification code (ADN) : M7
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 kg
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T* B**
Equipment required (ADN) : P, A
Number of blue cones/lights (ADN) : 0
Additional requirements/Remarks (ADN) : * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

Rail transport
Classification code (RID) : M7
Special provisions (RID) : 274, 335, 375, 601
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, R001
Special packing provisions (RID) : PP12, B3
Mixed packing provisions (RID) : MP10
Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (RID) : TP33
Tank codes for RID tanks (RID) : SGAV, LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W13
Special provisions for carriage – Bulk (RID) : VC1, VC2
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
ANTI-SEIZE Compound
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

VOC content : 0 g/l

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Full text of H- and EUH-statements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
</tr>
<tr>
<td>H302</td>
</tr>
<tr>
<td>H319</td>
</tr>
<tr>
<td>H400</td>
</tr>
<tr>
<td>H411</td>
</tr>
<tr>
<td>H412</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)
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.