

Printing date 01/14/2016

Reviewed on 01/14/2016

### \* 1 Identification

#### - Product identifier

- **Trade name:** Seize Release Copper Anti-Seize
- **Synonyms:** 80-118 Seize Release Copper Anti-Seize Quick Pump
- **Part number:** 80-118

#### - Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**  
Kimball Midwest  
4800 Roberts Road  
Columbus, OH 43228  
Tel: (800) 233-1294
- **Information department:** Product safety department
- **Emergency telephone number:**  
United States: 1-800-424-9300  
International: +1-703-527-3887

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture** The product is not classified according to the Globally Harmonized System (GHS).

#### - Label elements

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

#### - Classification system:

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



#### - Other hazards

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### \* 3 Composition/information on ingredients

#### - Chemical characterization: Mixtures

- **Description:** Mixture of the substances listed below with nonhazardous additions.

#### - Dangerous components:

|           |        |      |
|-----------|--------|------|
| 7440-50-8 | copper | 1-5% |
|-----------|--------|------|

### \* 4 First-aid measures

#### - Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/14/2016

Reviewed on 01/14/2016

Trade name: Seize Release Copper Anti-Seize

(Contd. of page 1)

## 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Dispose of the collected material according to regulations.
- **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.

## \* 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling** No special measures required.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

### 7440-50-8 copper

|     |                                                                                |
|-----|--------------------------------------------------------------------------------|
| PEL | Long-term value: 1* 0.1** mg/m <sup>3</sup><br>as Cu *dusts and mists **fume   |
| REL | Long-term value: 1* 0.1** mg/m <sup>3</sup><br>as Cu *dusts and mists **fume   |
| TLV | Long-term value: 1* 0.2** mg/m <sup>3</sup><br>*dusts and mists; **fume; as Cu |

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.
    - **Protection of hands:**  
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
      - **Material of gloves**  
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.  
Nitrile rubber, NBR
      - **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
    - **Eye protection:** Not required.

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/14/2016

Reviewed on 01/14/2016

Trade name: Seize Release Copper Anti-Seize

(Contd. of page 2)

- **Body protection:** Protective work clothing

## \* 9 Physical and chemical properties

|                                                                |                                               |
|----------------------------------------------------------------|-----------------------------------------------|
| <b>- Information on basic physical and chemical properties</b> |                                               |
| <b>- General Information</b>                                   |                                               |
| <b>- Appearance:</b>                                           |                                               |
| - <b>Form:</b>                                                 | Pasty                                         |
| - <b>Color:</b>                                                | Bronze colored                                |
| - <b>Odor:</b>                                                 | Petroleum-like                                |
| - <b>Odor threshold:</b>                                       | Not determined.                               |
| - <b>pH-value:</b>                                             | Not applicable.                               |
| <b>- Change in condition</b>                                   |                                               |
| - <b>Melting point/Melting range:</b>                          | Undetermined.                                 |
| - <b>Boiling point/Boiling range:</b>                          | 260 °C (500 °F)                               |
| - <b>Flash point:</b>                                          | 221 °C (430 °F)                               |
| - <b>Flammability (solid, gaseous):</b>                        | Not determined.                               |
| <b>- Ignition temperature:</b>                                 |                                               |
| - <b>Decomposition temperature:</b>                            | Not determined.                               |
| - <b>Auto igniting:</b>                                        | Product is not selfigniting.                  |
| - <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>Vapor pressure:</b>                                       | Not applicable.                               |
| - <b>Density at 20 °C (68 °F):</b>                             | 1.09 g/cm <sup>3</sup> (9.096 lbs/gal)        |
| - <b>Relative density</b>                                      | Not determined.                               |
| - <b>Vapor density</b>                                         | Not applicable.                               |
| - <b>Evaporation rate</b>                                      | Not applicable.                               |
| <b>- Solubility in / Miscibility with</b>                      |                                               |
| - <b>Water:</b>                                                | Insoluble.                                    |
| - <b>Partition coefficient (n-octanol/water):</b>              | Not determined.                               |
| <b>- Viscosity:</b>                                            |                                               |
| - <b>Dynamic at 20 °C (68 °F):</b>                             | 100000 mPas                                   |
| - <b>Kinematic:</b>                                            | Not applicable.                               |
| <b>- Solvent content:</b>                                      |                                               |
| - <b>Organic solvents:</b>                                     | 0.0 %                                         |
| - <b>VOC content:</b>                                          | 0.0 g/l / 0.00 lb/gl                          |
| - <b>Solids content:</b>                                       | 100.0 %                                       |
| - <b>Other information</b>                                     | No further relevant information available.    |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## \* 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **Primary irritant effect:**
      - **on the skin:** No irritant effect.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/14/2016

Reviewed on 01/14/2016

**Trade name:** Seize Release Copper Anti-Seize

(Contd. of page 3)

- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

|                                                                    |
|--------------------------------------------------------------------|
| - <b>IARC (International Agency for Research on Cancer)</b>        |
| None of the ingredients is listed.                                 |
| - <b>NTP (National Toxicology Program)</b>                         |
| None of the ingredients is listed.                                 |
| - <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b> |
| None of the ingredients is listed.                                 |

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## \*13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

## \*14 Transport information

|                                                                                     |                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
| - <b>UN-Number</b>                                                                  |                                                              |
| - <b>DOT</b>                                                                        | NA3077                                                       |
| - <b>ADN, IMDG, IATA</b>                                                            | not regulated                                                |
| - <b>UN proper shipping name</b>                                                    |                                                              |
| - <b>DOT</b>                                                                        | Environmentally hazardous substances, solid, n.o.s. (copper) |
| - <b>ADN, IMDG, IATA</b>                                                            | not regulated                                                |
| - <b>Transport hazard class(es)</b>                                                 |                                                              |
| - <b>DOT</b>                                                                        |                                                              |
|  |                                                              |
| - <b>Class</b>                                                                      | 9 Miscellaneous dangerous substances and articles            |
| - <b>Label</b>                                                                      | 9                                                            |
| - <b>ADN/R Class:</b>                                                               | not regulated                                                |
| - <b>Packing group</b>                                                              |                                                              |
| - <b>DOT</b>                                                                        | III                                                          |
| - <b>IMDG, IATA</b>                                                                 | not regulated                                                |
| - <b>Environmental hazards:</b>                                                     |                                                              |
| - <b>Marine pollutant:</b>                                                          | No<br>Yes (DOT)                                              |

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/14/2016

Reviewed on 01/14/2016

Trade name: Seize Release Copper Anti-Seize

(Contd. of page 4)

|                                                                                  |                                                                          |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| - <b>Special precautions for user</b>                                            | Not applicable.                                                          |
| - <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                                          |
| - <b>Transport/Additional information:</b>                                       |                                                                          |
| - <b>DOT</b>                                                                     |                                                                          |
| - <b>Quantity limitations</b>                                                    | On passenger aircraft/rail: No limit<br>On cargo aircraft only: No limit |
| - <b>Remarks:</b>                                                                | Special marking with the symbol (fish and tree).                         |
| - <b>UN "Model Regulation":</b>                                                  | not regulated                                                            |

## \*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

7440-50-8 copper

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- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## \*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.

- **Contact:** Safety, Health and Environmental Affairs

- **Date of preparation / last revision** 01/14/2016 / 11

- **Abbreviations and acronyms:**

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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

- **\* Data compared to the previous version altered.**