

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity SAF-T-EZE REGULAR ANTI-SEIZE
Alternate Names Part Numbers: 80102, 80112, 80122, 80125, 80127, 80137, 80153, 80155, 80157, 80158, 80160, 80161, 80165, 80178, 80189, 80199
Product Type: Lubricating Grease

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

Intended use Lubricating Grease
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name SAF-T-LOK International Corporation
300 EISENHOWER LANE NORTH
LOMBARD, IL 60148

Emergency

CHEMTREC (USA) (800) 424-9300
24 hour Emergency Telephone No. (703) 527-3887
Customer Service: SAF-T-LOK International Corporation (630) 495-2001

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



H411 Toxic to aquatic life with long lasting effects.

[Prevention]:

P273 Avoid release to the environment.

[Response]:

P391 Collect spillage.

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|----------|--|--------|
| Petroleum distillates, hydrotreated heavy naphthenic CAS Number: 0064742-52-5 | 50 - 75 | Acute Tox. 4;H312 | [1] |
| Graphite CAS Number: 0007782-42-5 | 10 - 25 | | [1][2] |
| Copper CAS Number: 0007440-50-8 | 10-25 | | [1][2] |
| Zinc oxide CAS Number: 0001314-13-2 | 1.0 - 10 | Aquatic Acute 1;H400 Aquatic Chronic 1;H410 | [1][2] |
| Aluminum CAS Number: 0007429-90-5 | 1.0-10 | | [1][2] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

| | |
|-------------------|---|
| Inhalation | Never give anything by mouth to an unconscious person. Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| Eyes | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| Skin | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| Ingestion | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. |

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

Overview

Skin Contact: Usually no effect, however, as with any chemical, prolonged, excessive, or repeated exposure may cause mild to moderate skin irritation, exhibited by redness, drying and cracking of unprotected skin.

Eye Contact: May irritate with slight pain and redness.

Respiratory/ Inhalation: Usually none, however, as with any chemical product, some irritation may occur.

Ingestion: Amounts transferred to mouth by fingers, etc, during normal operation should not cause injury.

Medical conditions generally aggravated by exposure: None known, however any chemical product may enhance allergies already present in certain individuals.

This product does not require exceptional labeling due to the evaluation procedure of the "General Classification guideline for preparations of the EU". See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, dry chemical

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: None

5.3. Advice for fire-fighters

Air mask and procedures for fighting chemical fires. Do not inhale gases.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Prevent material from entering floor drains, sewers, or any bodies of water.

Scoop up into waste container or soak up with absorbent material. Store in a closed container until disposal.

7. Handling and storage

7.1. Precautions for safe handling

No special precautions necessary if used properly. Avoid breathing vapors. Wash hands thoroughly at mealtime and end of shift.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Isolated storage facility/ warehouse not required. Store in a cool, dry location (60-90°F) in a well-ventilated area in original container. Keep container tightly closed when not in use.

Incompatible materials: No data available.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

None

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|------------|----------|--|
| 0001314-13-2 | Zinc oxide | OSHA | TWA 5 mg/m ³ (fume) TWA 15 mg/m ³ (total dust) TWA 5 mg/m ³ (resp dust) |
| | | ACGIH | TWA: 2 mg/m ³ STEL: 10 mg/m ³ A1, 1, Revised 2003, |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| | | OSHA | TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp) |

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| | | | |
|--------------|--|----------|---|
| 0007429-90-5 | Aluminum | ACGIH | TWA 1.0 mg/m ³ Revised 2008 |
| | | NIOSH | TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp) |
| | | Supplier | No Established Limit |
| 0007440-50-8 | Copper | OSHA | TWA: mg/m ³ [Note: the PEL also applies to other copper compounds 9as Cu) except copper fume.] |
| | | ACGIH | TWA: 0.2 mg/m ³ (fume) 1 mg/m ³ (dusts/mists) |
| | | NIOSH | TWA: 1 mg/m ³ [Note: The REL also applies to other copper compounds (as Cu) except copper fume.] |
| 0007782-42-5 | Graphite | Supplier | No Established Limit |
| | | OSHA | TWA 15mg/m ³ TWA mppcf |
| | | ACGIH | TWA 2 mg/m ³ |
| 0064742-52-5 | Petroleum distillates, hydrotreated heavy naphthenic | NIOSH | TWA 2.5 mg/m ³ (resp) |
| | | Supplier | No Established Limit |
| | | OSHA | No Established Limit |
| 0064742-52-5 | Petroleum distillates, hydrotreated heavy naphthenic | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|--|--------|---|
| 0001314-13-2 | Zinc oxide | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0007429-90-5 | Aluminum | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 007440-50-8 | Copper | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 007782-42-5 | Graphite | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0064742-52-5 | Petroleum distillates, hydrotreated heavy naphthenic | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |

8.2. Exposure controls

Respiratory

No respiratory protection required, but normal good ventilation is recommended. Forced ventilation may be required if concentrations exceed normal use exposure.

Eyes

Not required if application method is proper. Avoid contact with eyes.

Skin

Wear overalls to keep skin contact to a minimum. Use impermeable gloves (neoprene, butyl rubber, natural rubber), as necessary to avoid skin contact, as well as proper clothing

or plastic apron. Wash hands before eating, drinking, or using restroom.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Eye wash stations should be located within 100 feet or 10 second walk of the work area. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|--|--|
| Appearance | Silver grey Paste |
| Odor | Mild/Inoffensive |
| Odor threshold | Not Measured |
| pH | Not Determined |
| Melting point / freezing point | Not Determined |
| Boiling point | >600° F (316°C) |
| Flash Point | 410° F (210° C) (C.O.C.) |
| Evaporation rate (Ether = 1) | Not Determined |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: N/A Upper Explosive Limit: N/A |
| Vapor pressure (Pa) (mm Hg.) | < 5 @ 30° F |
| Vapor Density | N/A |
| Specific Gravity | 1.2 |
| Solubility in Water | Insoluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |
| VOC % | <0.1% (cut) |
| % Solid | 35-48% |

9.2. Other information

DMSO extract IP346: Less than 3.0 wt% (mineral oil component only)

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

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Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Strong oxidizing agents

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|---|-----------------------------|------------------------------|---------------------------------------|---|--------------------------------|
| Petroleum distillates, hydrotreated heavy naphthenic – (64742-52-5) | 5,000.00 Rat – Category: 5 | No data available | 2,000.00, Rabbit – Category: 4 | No data available | No data available |
| Zinc oxide - (1314-13-2) | 5,000.00, Rat - Category: 5 | No data available | No data available | 2.50, Mouse - Category: 4 | No data available |
| Copper – (7440-50-8) | 2,500.00, Rat - Category: 5 | >2,000.00, Rat - Category: 5 | No data available | 5.11, Rat - Category: NA | No data available |
| Graphite - (7782-42-5) | No data available | No data available | No data available | No data available | No data available |
| Aluminum – (7429-90-5) | No data available | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|--------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |

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| | | |
|------------------------|-----|----------------|
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Zinc Oxide is toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|---|------------------------------|----------------------------|--|
| Petroleum distillates, hydrotreated heavy naphthenic – (64742-52-5) | 5,000.00 Oncorhynchus mykiss | 1,000.00 Daphnia Magna | 1,000.00 (96 hr), Scenedesmus subspicatus |
| Zinc oxide - (1314-13-2) | 1.10, Oncorhynchus mykiss | 0.098, Daphnia magna | 0.042 (72 hr), Pseudokirchneriella subcapitata |
| Graphite – (7782-42-5) | Not Available | Not Available | Not Available |
| Aluminum – (7429-90-5) | Not Available | Not Available | Not Available |
| Copper – (7440-50-8) | 0.0103, Pimephales promelas | 0.0025, Daphnia magna | 0.018 (72 hr), Pseudokirchneriella subcapitata |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

DOT (Domestic Surface) IMO / IMDG (Ocean Transportation) ICAO/IATA

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| | | | |
|---|--|--|----------------------------------|
| | Transportation) | | |
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Environmentally hazardous substance, liquid, N.O.S | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable DOT Label: --- | IMDG: 9 Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: Yes (Zinc oxide) | | |
| 14.6. Special precautions for user | | | |
| | No further information | | |

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification Not Regulated

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): No
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:
Copper (5,000.00)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
Zinc oxide

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Zinc oxide
Graphite
Aluminum
Copper

Penn RTK Substances (>1%):

Zinc oxide
Graphite
Aluminum
Copper

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. SAF-T-LOK accepts no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H312 May be harmful in contact with skin.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information on this material safety data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user. SAF-T-LOK International Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of SAF-T-LOK International Corporation products.

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