

Gruebb 4427

Safety Data Sheet 4427

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 02/09/2016 Revision date: N/A Supersedes: N/A Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Gruebb 4427
Product code : 4427

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

Use of the substance/mixture : Metal drawing / deformation lubricant
Use of the substance/mixture : Industrial use; Lubricant

1.3. Details of the supplier of the safety data sheet

Gruebb Ltd,
11 Portland Street,
Southampton SO14 7EB,
England,
United Kingdom
Tel: + 44 (0)2380 089084
Fax: + 44 (0)2380 335784
technical@gruebb.com

1.4. Emergency telephone number

Emergency number : + 44 (0)2380 089084 (office hours); + 41 (0)79 343 7534 (outside office hours)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. 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

Gruebb 4427

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non-flammable.
Explosion hazard : not explosive.
Reactivity : Stable under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. 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

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Avoid contact with eyes.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Spilled material may present a slipping hazard.
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Safe use of the product : Avoid contact with skin and eyes.
Hygiene measures : Wash hands/exposed skin thoroughly after handling. 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

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present.
Storage conditions : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible materials : Oxidizing agents, Strong acids and strong bases.
Storage area : Container should be kept sealed and stored in cool conditions. Product will liberate hydrogen chloride when overheated. Do not exceed a storage/handling temperature of 60 °C.

Gruebb 4427

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. A washing facility/water for eye and skin cleaning purposes should be present. Ensure good ventilation of the work station.

Personal protective equipment : Avoid all unnecessary exposure. In case of splash hazard: safety glasses. Insulated gloves. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protective clothing. Wear rubber boots.



Materials for protective clothing : Avoid repeated or prolonged skin contact. According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn. Nitrile rubber gloves, natural rubber gloves. Safety glasses.

Hand protection : Use heavy duty gloves constructed of chemical resistant materials such as Viton® or heavy nitrile rubber. Impervious gloves e.g. PVC, nitrile rubber, butyl rubber. (NIOSH-approved).

Eye protection : Avoid contact with eyes. Chemical goggles or safety glasses. Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn.

Respiratory protection : If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used.

Thermal hazard protection : Not applicable.

Environmental exposure controls : Avoid release to the environment.

Consumer exposure controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Amber/brown liquid.
Colour	: Amber brown
Odour	: characteristic
Odour threshold	: No data available
pH	: Not applicable for an organic substance
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: >200 °C (Method DIN 51755 closed cup)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available

Gruebb 4427

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Density	: 1.2 g/ml at 20 °C
Solubility	: Insoluble in water. Water: Solubility in water of component(s) of the mixture : • Chlorinated paraffin waxes and hydrocarbon waxes: 0.0066 mg/l (at 20 °C)
Log Pow	: No data available
Auto-ignition temperature	: >200 °C (Method DIN 51755 closed cup)
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: 2441 mm ² /s at 40 °C and 69,58 mm ² /s at 1000 °C
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Avoid high temperature (> 50 °C), heat, open flames and ignition sources.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified pH: Not applicable for an organic substance
Serious eye damage/irritation	: Not classified pH: Not applicable for an organic substance
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Gruebb 4427

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Gruebb 4427

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

Gruebb 4427

Bioaccumulative potential	Not established.
---------------------------	------------------

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No additional information available

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Revision date : 02/09/2016

02/09/2016

EN (English)

SDS ID: 4427

5/6

Gruebb 4427

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Other information : None.

SDS US (GHS HazCom 2012)

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