

Material Safety Data Sheet

Date: 10/08/2020

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product Name: Flat Fix Tyre Sealer

ref: SGTS1

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

Product Use: Tyre Sealant / Inflator

1.3. Details of the supplier of the safety data sheet

Silverhook Ltd
Unit 14 Bates Road,
Harold Wood, London, England
RM3 0JH
Tel.: +44 (0) 1708330500
Fax.: +44 (0) 1708330504
Email: 522@silverhook.co.uk
Responsible person email: 522@silverhook.co.uk

1.4. Emergency telephone number

+44 (0) 1708330500 (during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS CLASSIFICATION

| | | | |
|-----------------------|---|----------|----|
| Physical Hazards | Flammable-Aerosols | Category | 2 |
| | Flammable-Liquids | Category | 2 |
| Health Hazards | Acute toxicity, oral | Category | - |
| | Acute toxicity, dermal | Category | - |
| | Acute toxicity, inhalation | Category | - |
| | Skin corrosion/irritation | Category | 2 |
| | Serious eye damage/eye irritation | Category | 2A |
| | Sensitization, respiratory | Category | - |
| | Sensitization, skin | Category | - |
| | Germ cell mutagen toxicity | Category | - |
| | Carcinogenicity | Category | - |
| | Reproductive toxicity | Category | 2A |
| | Specific target organ toxicity, single exposure | | |
| | Category2 (blood vessel)/ Category3 (anesthetizing, respiratory irritation) | | |
| | Specific target organ toxicity, repeated exposure | | |
| | Category1 (peripheral nervous system, central nervous system, liver) | | |
| | Aspiration hazard | Category | 2 |
| Environmental Hazards | Hazardous to the aquatic environment, acute toxicity | Category | 2 |
| | Hazards that aren't written as the above are "Can't classify" or "Off the subject". | | |

2.2. Label elements according to Regulation (EC) No 1272/2008 as amended



Symbol

Signal Words

Hazard Statements

Warning

Flammable aerosol

Flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May cause genetic defects

May damage fertility or the unborn child

May cause damage to organs (blood vessel)

May cause respiratory irritation

Causes damage to organs (peripheral nervous system, central nervous system)

system, liver) through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Toxic to aquatic life

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Components | mass (%) | Cas Number |
|---------------------|----------|------------|
| Aqua | 37 | 7732-18-5 |
| Ethylene Glycol | 12 | 107-21-1 |
| Ammonium Hydroxide | 1 | 1336-21-6 |
| CP102 glue | 10 | ----- |
| Liquefied petroleum | 40 | 68476-85-7 |

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye

Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Inhalation

Inhalation of any vapors from this product is not likely to present an acute hazard.

Skin

Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention immediately.

Ingestion

Remove the foreign objects from the mouth, and rinse mouth thoroughly with water. Do not induce vomiting. Call a physician immediately.

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

Advice to physicians

The symptom may appear later. Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Powder, Carbon dioxide, Foam, Dry chemical.

Prohibition extinguishing media

Water spray or stream.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Combustion products may include: carbon monoxide, hydrogen chloride, unidentified organic and inorganic compound.

Exposure of containers to extreme heat and flames can cause them to rupture often with violent force.

5.3. Advice for firefighters

Special protective equipment for firefighters

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

If indoors, adequately ventilate until processing is complete. Minimize contact with skin.

6.2. Environmental precautions

Do not discharge into drains and rivers etc. and prevent from environmental pollution.

6.3. Methods and material for containment and cleaning up

Remove all ignition sources.

Small spillage

If spilled from a container, wipe them off with cloth and store in an airtight container that doesn't adhere to water, acid or alkali etc.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid breathing of vapor; avoid contact with eyes, skin and clothing. Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods. Do not eat, drink or smoke while handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in original container. Keep in a cool, dry, well-ventilated place. Avoid direct sunlight, heat sources. Keep away from ignition sources and incompatible materials: inorganic acids, chlorinated compounds, strong oxidisers. Variations in storage temperature should be minimized.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical name | ACGHI(TLV-TWA) | ACGHI(TLV-STEAL) |
|--------------------|----------------|------------------|
| Ethylene Glycol | - | - |
| Ammonium Hydrotide | 25ppm | 35ppm |
| LPG | 1000ppm | - |

Facilities Measures

Require the local exhaust ventilation in the working place.

Respiratory protection

Use organic gas protection mask.

Eye protection

Use safety goggles.

Hand protection

Use oil-proof glove.

Skin protection

Use antistatic working clothes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

[Sealant]

| | |
|--------------------------------|------------------------------------|
| Physical state | Liquid |
| Color | Milky |
| Odor | Stimulating |
| Melting point (Freezing point) | Not determined |
| Boiling point | 105°C |
| Flash point | Not determined |
| Auto-ignition temp range | >460°C Flammable Not determined |
| Density | 1.002 |
| PH | 7.0 |
| Solubility in water | Soluble |

[Aerosol propellant]

| | |
|-------------------------------|-----------------------------|
| Physical state, Color | LPG Colorless gas |
| Odor | Signature odor |
| Boiling point | -42.04°C |
| Melting point(Freezing point) | -187.68°C |
| Vapor pressure | 0.75kPa(20°C) |
| Flash point | -90°C |
| Flammable range | : 1.8- 9.5vol% |
| Vapor density | : 1.55-2.07(Air=1) |
| Density(liquid)(°C) | Solubility 0.502-0.542 |
| in water | Auto-ignition Negligible |
| temp | >365°C |

SECTION 10: STABILITY/REACTIVITY

10.2. Chemical Stability

Stability under normal use.

Agitation and Flowage can cause electrostatic. Sensitive for heat.

Hazardous decomposition products

Gases generated by combustion, such as carbon monoxide, carbon dioxide etc.

Propane: carbon dioxide causes explosion.

Butane: The mixture of nickel carbonyl and oxygen causes explosion.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Oxidiser (nitrate, chlorate, peroxide, perchlorate etc.)

SECTION 11: TOXICOLOGICAL INFORMATION

| Chemical name | Acute toxicity, oral | Acute toxicity, inhalation | Acute toxicity, dermal |
|--------------------|--------------------------|----------------------------|------------------------|
| Ethylene Glycol | LD50 1.31-13.8ml/kg(rat) | - | - |
| Ammonium Hydrotide | LD50 350mg/kg(rat) | - | - |
| LPG | - | LC50 277374ppm//7h(rat) | - |

Toxicological information of product: We do not safety as the product

SECTION 12: ECOLOGICAL INFORMATION

Acute hazards to the aquatic environment

12.1. Ecotoxicity

No Data Available.

12.2. Persistence and degradability

No Data Available.

12.3. Bioaccumulative potential

No Data Available.

Environment fate

No Data Available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Precautions

See Section 8

Waste disposal

Follow local and national regulations. Consult disposal expert.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Identification Number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport Hazard Class(es)

2.1

Pile up carefully so that containers won't fall and be damaged.

Cover the container to keep away from direct sunlight and protect from rain penetration. Carry product with great care not to cause friction and vibration remarkably.

Follow all rules and regulations.

SECTION 15: REGULATORY INFORMATION

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

Ensure this material is on compliance with federal requirements and ensure it is conformity to local regulations.

SECTION 16: OTHER INFORMATION

References: The information in this MSDS was obtained from sources that we believe are reliable, but cannot guarantee. Additionally, your use of this information is beyond our knowledge. Therefore, the information is provided without any representation or warranty, expressed or implied.

Disclaimer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.