

SAFETY DATA SHEET

(SDS)

1. IDENTIFICATION OF SUBSTANCE & COMPANY IDENTIFICATION:

Product **SAFELUBE™**
Use A Food Industry Safe Lubricant in an Aerosol.

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2. HAZARDS IDENTIFICATION.

Product is classed as Extremely Flammable in accordance with Chemicals (Hazard Information and Packaging) Regulations (CHIP3) and EC Directives 67/548 (substances) and/or 1999/45 (preparations) including subsequent amendments up to the issue date of this document. Use commonsense precautions when handling this product.

Risks: R12 extremely flammable, R52/53 harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

GHS Statements: H224 Extremely Flammable liquid and vapour, H412 Harmful to aquatic life with long lasting effects, H280 Contains gas under pressure, may explode if heated,

EMERGENCY OVERVIEW:

Off white grease. Extremely flammable propellants, heavier than air. Vapours may form explosive mixture with air. Pressurised containers may be subject to explosive rupture, protect from flying debris and ignition of flammable contents.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Major constituents: A blend of refined vegetable oils, petroleum jelly, aliphatic hydrocarbons and propellant.

Hazardous ingredients	CAS No	EINECS No	%w/w (Range)	Nature of Hazard
Naphtha, hydrotreated, light	64742-49-0	265-151-9	5 to 10	Xi, Irritant, F, Highly Flammable, N (Note 1), R11, R38, R51/53, R65, R67
Butane	106-97-8	203-448-7	1 to 5	F+, Extremely Flammable, R12
Isobutane	75-28-5	200-857-2	1 to 5	F+, Extremely Flammable, R12
Propane	74-98-6	200-827-9	5 to 10	F+, Extremely Flammable, R12

Note 1 N = Dangerous to the environment.

4. FIRST AID

Symptoms:

Effects due to overexposure when:

In contact with eyes: Mild irritation and redness. May cause chemical eye burns.

In contact with skin: Degreases skin causes skin dryness. Prolonged or repeated exposure leads to severe irritation, cracking and eczema.

Inhaled: Inhalation of mist or spray may cause irritation, coughing and sore throat. Solvent vapours may cause nausea, sickness and headache. Prolonged inhalation of high concentrations may damage respiratory system.

Ingested: May cause irritation, soreness of mouth/throat, discomfort, abdominal pain and vomiting.

Action:

General:

If you feel unwell seek medical advice (show this information or the container label where possible). Do not give anything by mouth to unconscious person.

Eye: Remove contact lenses, if fitted. Immediately irrigate with flowing water and continuously for at least 10 minutes. Seek medical attention if irritation persists.

4. FIRST AID (Continued)

Skin: Wash affected area with soap and water or proprietary skin cleaner. Launder contaminated clothing before reuse.

Ingestion: Do not induce vomiting, unless instructed to do so by medical personnel. Rinse mouth with water and give water or milk to drink. Seek medical advice if discomfort continues.

Inhalation: Remove to fresh air, rest and keep warm. Seek medical attention. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Note to physician:

Treat by observation and supportive measures as indicated by the patient's condition.

No specific antidote.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA: Water spray, fog or mist, Carbon dioxide, Dry chemical or Foam. Alcohol resistant foams (ATC type) are preferred if available. General-purpose synthetic foams (including AFFF) or protein foams may function but much less effectively.

MEDIA TO BE AVOIDED: None

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Smoke from fires is toxic; take precautions to protect personnel from exposure, wear positive-pressure self-contained breathing apparatus (SCBA). In the event of an adjacent fire, cool containers with water spray.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: carbon monoxide, carbon dioxide and oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES.

PROTECT PEOPLE: Material is extremely flammable. Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Residues create a slip hazard, take appropriate precautions.

PROTECT THE ENVIRONMENT: Keep out of sewers. If contamination of drainage systems or watercourses is unavoidable, immediately inform appropriate authorities.

CLEAN UP: Contain and absorb with material such as dirt, absorbent granules or sand. Remove contaminated material to plastic containers and thence to a safe location for subsequent disposal. Wash down any residues with water/detergent.

7. HANDLING AND STORAGE.

HANDLING: Use only in well ventilated areas. Avoid contact with skin and eyes. When using do not eat drink or smoke. Do not use in areas where potential sources of ignition exist. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Deliberately concentrating and inhaling contents of this container is dangerous and can be fatal.

STORAGE: Do not store containers in open sunshine and keep away from heat. Keep in original container and tightly closed. Store upright in a cool well-ventilated place between 5 °C and 30 °C. Any spillages should be prevented from entering drains or watercourses. Observe the label precautions.

8. EXPOSURE CONTROL/PERSONAL PROTECTION.

ENGINEERING CONTROLS: Use only in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. L.E.V. should be provided to minimise build up of flammable vapours and high exposure levels. Personal protective equipment to be used as a last resort. When using, do not eat, drink, or smoke and protect against sources of heat, sparks or flames.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/face protection: Use chemical goggles or face shield. Eyewash stations should be provisioned.

Skin protection: Use neoprene or nitrile gloves. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Respiratory protection: Wear approved respirator when spraying if levels cannot be controlled below OES's and engineering methods cannot be reasonably improved.

EXPOSURE GUIDELINES:

OES / TLV limits as set out in UK HSE document EH40 are:

Butane: 600 ppm LTEL (8 hr TWA) and 750 ppm STEL (15 minutes TWA)

Iso-Butane: 800 ppm LTEL (8 hr TWA) and 800 ppm STEL (15 minutes TWA)

Naphtha, hydrotreated, light: 1200 mg/m³ LTEL (8 h TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES.

APPEARANCE:	Off white grease in an aerosol
ODOUR:	Negligible
VAPOUR DENSITY:	Heavier than air.
BOILING POINT, °C:	> 250
SOLUBILITY IN WATER:	Immiscible at 25 °C
DENSITY (g/cm³ at 20 °C):	Not established
FLASH POINT (Abel Closed Cup, method BS2000 Pt 170):	<0 °C
AUTOIGNITION TEMPERATURE:	Not established.
FLAMMABILITY LIMITS:	0.8% LEL, 9.0 % UEL
THERMAL DECOMPOSITION TEMPERATURE:	Not established.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID: Avoid high temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid mixing with oxidising agents and strongly alkaline and acid materials

HAZARDOUS DECOMPOSITION PRODUCTS: Does not normally decompose.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION:

No significant health hazard when properly used for the application it was designed for.
See section 4 for exposure symptoms

Data:

LD50 Naphtha, hydrotreated light: (Oral, Rat) > 5g/Kg

12. ECOLOGICAL INFORMATION.**ENVIRONMENTAL FATE:**

Immiscible in water.

DEGRADATION AND PERSISTENCE (ECOTOXICITY):

Large quantities of the product should not be allowed to enter sewer systems, surface drains or watercourses or be deposited where it can affect ground or surface waters. Product contains components that can have a long term adverse effect on the aquatic environment. Dangerous to aquatic organisms.

13. DISPOSAL CONSIDERATIONS.

DISPOSAL: Do not discharge into sewers, surface drains, on the ground or into any body of water. All disposal methods must be in compliance with local laws and regulations. (Regulations may vary in different locations.)

For unused and uncontaminated product, the preferred disposal options include sending to a licensed, permitted recycler or reclaimer.

14. TRANSPORT INFORMATION

UN No	1950
Proper shipping name:	Aerosols, Gases; Compressed, liquefied or dissolved under pressure
Hazard Class	2.1 (ADR, RID, IMDG, ICAO)
Marine pollutant	No
Packaging Group	Not applicable
CEPIC TEC(R) No:	20G53

Label for Conveyance:

**15. REGULATORY INFORMATION.**

This Safety Data Sheet is provided in compliance with the European REACH Directive (1907/2006/EC) and is in agreement with the GHS (Globally Harmonised System) for the classification and labelling of Dangerous Chemicals. This safety data sheet is distributed solely for the purpose of the Health and Safety at Work Act 1974; included under this heading is article 10 of Directive 88/379/EEC.

All components that make up this product are registered, or are not required to be listed, with:

EUROPEAN INVENTORY OF NEW AND EXISTANT CHEMICAL SUBSTANCES (EINECS), and
TOXIC SUBSTANCES CONTROL ACT (TSCA).

REACH – Regulation 1907/2006/EC, The raw materials used within this preparation have been pre-registered in accordance

with the requirements of REACH

15. REGULATORY INFORMATION.

Food Industry Approval – NSF No 131543 Cat H1

Label for Supply:



GHS Symbols:



Danger
Extremely Flammable
Liquid and vapour



Danger
Harmful to aquatic organisms
with long lasting effects

The preparation requires a formal COSHH assessment, which should ensure that employees are aware of hazards/precautions detailed in this data sheet. The COSHH assessment should also ensure that recommended safety equipment is available and, where applicable, the exposure limits detailed in section 8 are not being exceeded.

Risks:

R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety phrases:

S2 Keep out of reach of children.

S16 Keep away from sources of ignition, no smoking.

S23 Do not breathe vapour or spray

S51 Use only in well ventilated areas

S60 This material and its container must be disposed of as hazardous waste

U.K Regulatory References:

The Chemicals (Hazard Information And Packaging Regulations), CHIP3.

The Carriage of Dangerous Goods by Road and Rail Regulations.

Occupational Exposure Limits Guidance Note EH40.

16. OTHER INFORMATION.

The data contained in this data sheet is based on Amity's present knowledge of the health and safety properties of the product, and is believed to be accurate and given in good faith.

The physical and chemical properties are typical values only and do not constitute the specification of the product, which will be agreed separately.

The data given here only applies when product is used for proper application(s). The product is not sold as suitable for applications other than those identified at section 1, usage as such may cause risks not mentioned in this sheet.

It is for the customer to satisfy itself on the suitability of the product for its own particular purpose. Amity gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded, except to the extent that law prevents such exclusion.

Full details of the Risk Phrases used in Section 2. and not covered in Section 15 are given below;

R11 Highly Flammable

R38 Irritating to skin

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R65 Harmful, may cause lung damage if swallowed

R67 Vapours may cause drowsiness and dizziness

The following definitions of terms and abbreviations used within this document are used:

NTP: National Toxicology Programme (US);

IARC: International Agency for Research on Cancer;

OSHA: Occupational Safety & Health Administration (US);

ACGIC: American Conference of Governmental Industrial Hygienists;

CAS: Chemical Abstracts Number;

COSHH: Control Of Substances Hazardous to Health;

OES: Occupational Exposure Standard.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

LTEL: Long Term Exposure Limit

STEL: Short Term Exposure Limit.

HSE: Health & Safety Executive (UK)

LEV: Local Exhaust Ventilation

It is the responsibility of the user to ensure safe working conditions. The health hazards and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe working environment