



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

Rubber Nylon Lubricant Spray

SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Rubber nylon lubricant spray

ref: SGNR1

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

Lubricant

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: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: may burst if heated.



environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects



STOT SE 3

H336 May cause drowsiness or dizziness.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS09

Signal word

Danger

Hazard determining components of labelling:

Pentane

Hazard statements

H222-H229

Extremely flammable aerosol. Pressurised container: may burst if heated.

H336

May cause drowsiness or dizziness.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use.

P260

Do not breathe mist/vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

Wear protective gloves/eye protection.



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

P304+P340
P403
P410+P412
P501

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information

EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.2. Mixtures

Description: Active substance with propellant

Dangerous components

CAS: 109-66-0, EINECS: 203-692-4, Reg. nr: 01-2119459286-30

Pentane, flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 (25-<50%)

CAS: 106-97-8, EINECS: 203-448-7, Reg. Nr: 01-2119474691-32

Butane (containing < 0.1% butadiene (203-450-8), Note K) Flam. Gas 1A, H220; Press. Gas (Comp.), H280 (25-<50%)

CAS: 74-98-6, EINECS: 200-827-9, Reg. nr.: 01-2119486944-21

Propane, Flam. Gas 1A, H220; Press. Gas (Comp.), H280 (10-<25%)

CAS: 75-28-5, EINECS: 200-857-2, Reg. nr: 01-2119485395-27

Isobutane (containing <0.1% butadiene (203-450-8), Note K) Flam. Gas 1A, H220; Press. Gas (Comp.), H280 (2.5-<10%)

Additional information

Aerosols and containers fitted with a solid atomizer containing substances or mixtures classified as hazardous by aspiration shall not be labelled for that hazard. The text of the hazard statements mentioned here can be found in chapter 16.

SECTION 4: FIRST AID MEASURES



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

4.1. Description of first aid measures

Inhalation

Supply fresh air; consult doctor in case of complaints.

Eyes

Rinse opened eye for several minutes under running water.

Skin

Generally the product does not irritate the skin.

Swallowing

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents

Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

For safety reasons unsuitable extinguishing agents

Water with full jet

5.2. Specific hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment

Mount respiratory protective device

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

6.4. 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.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about fire – and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away – Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

Observe official regulations on storing packaging with pressurised containers.

Information about storage in one common storage facility:

Observe official regulations on storing packaging with pressurised containers.

Further information

Store in a cool, dry conditions in well-sealed receptacles.

Protect from heat and direct sunlight.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Additional information about design of technical facilities

No further data, see item 7.

Ingredients with limit values that require monitoring at the workplace

109-66-0 Pentane

WEL Long-term value: 1800 mg/m³, 600ppm

106-97-8 butane (containing <0.1% butadiene (203-450-8), (Note K)

WEL Short-term value: 1810 mg/m³, 750ppm

Long-term value: 1450 mg/m³, 600ppm

Carc (if more than 0.1% of buta-1.3-diene)

74-98-6 propane

OEL Long-term value: 1800 mg/m³, 1000ppm

For additional information see Section 3

75-28-5 isobutane (containing < 0.1% butadiene (203-450-8), Note K)

OEL Long-term value: 2400 mg/m³, 1000 ppm

For additional information see Section 3

DNELs

109-66-0 Pentane

Oral DNEL Long-term systemic: 214 mg/kg bw/day (consumer)

Dermal DNEL Long-term systemic: 214 mg/kg bw/day (consumer)

432 mg/kg bw/day (worker)

Inhalative DNEL Long-term systemic: 643 mg/m³ (consumer)

3000mg/m³ (worker)

Additional information

The lists valid during the making were used as a basis.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures

Wash hands before breaks and at the end of work.

General ventilation.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A2/P2.

Hand Protection

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Wear gloves for the protection against chemicals according to EN374.



Protective gloves

Solvent resistant gloves

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: > 0.5mm

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

Eye Protection

Safety glasses



Tightly sealed goggles

Body Protection

Use protective suit (EN-13034/6)

Full skin covering antistatic, chemical and oil resistant clothing and safety shoes are recommended. (EN1149; EN340 & EN ISO13688; EN13034/6)

Limitation and supervision of exposure into the environment

Use a suitable container to prevent environmental contamination.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information

Appearance:

Form	Liquid
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined
pH value	Mixture is non-polar/aprotic

Change in condition

Melting point/freezing point Undetermined

Initial boiling point and boiling range -44.5°C

Flash point -97°C

Flammability (solid, gas) Not applicable

Ignition temperature 285°C

Auto-ignition temperature Product is not self-igniting

Explosive properties Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits

Lower 1.4 Vol %

Upper 10.9 Vol %

Vapour pressure at 20°C 3100 hPa

Density at 20°C 0.606 g/cm³

Relative density Not determined

Vapour density Not determined

Evaporation rate Not applicable.

Solubility in/miscibility with water Not miscible or difficult to mix

Partition coefficient: n-octanol/water Not determined.

Viscosity

Dynamic Not determined

Kinematic Not determined

Solvent content

Organic solvents 90%

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification

109-66-0 Pentane

Oral (LD50) >5000mg/kg (rat)

Primary irritant effect

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Additional toxicological information

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT single exposure

May cause drowsiness or dizziness.

STOT repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity

109-66-0 Pentane

NOEC (72h) 7.51 mg/l (Pseudokirchneriella subcapitata)

EC50 (72h) 10.7 mg/l (Pseudokirchneriella subcapitata)

LC50 (96h) 4.26 mg/l (Oncorhynchus mykiss)

EC50 (48h) 2.7 mg/l (Daphnia magna)

12.2. Persistence and degradability

Not easily biodegradable.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further information available

Ecotoxicological effects

Remark

Toxic for fish

Additional ecological information

General notes

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

Toxic for aquatic organisms.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

ADR, ADN, IMDG, IATA

UN1950

14.2. UN proper shipping name

ADR, ADN

UN1950 Aerosols, environmentally hazardous

IMDG

Aerosols (pentanes), marine pollutant

IATA

Aerosols, flammable

14.3. Transport hazard class(es)

ADR

Class

2 5F Gases

Label

2.1

ADN

ADN/R class

2 5F

IMDG

Class

2.1 gases

Label

2.1

IATA

Class

2.1 gases

Label

2.1

14.4. Packing group

ADR, IMDG, IATA

Void

14.5. Environmental hazards

Product contains environmentally hazardous substances: Pentane

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

14.6. Special precautions for user

Warning: gases

Hazard identification number (Kemler code)

EMS number

F-D, S-U

Stowage Code

SW1 Protected from sources of heat.

SW22 for aerosols with a maximum capacity of 1 litre: Category A. For aerosols with a capacity above 1 litre: Category B. For waste aerosols: Category C, clear of living quarters

Segregation Code

SG69 for aerosols with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4

For aerosols with a capacity above 1 litre: segregation as for the appropriate subdivision of class 2. For waste aerosols: segregations as for the appropriate subdivision of class 2.

14.7. Transport in bulk according Annex II of Marpol and the IBC Code

Not applicable.

Transport/additional information

ADR

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0, not permitted as Excepted Quantity

Transport category: 2

Tunnel restriction code: D

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code E0, not permitted as Excepted Quantity

UN model regulation

UN 1950 aerosols, 2.1, environmentally hazardous

SECTION 15: REGULATORY INFORMATION

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

Directive 2012/18/EU

Named dangerous substances – Annex I None of the ingredients is listed.

Seveso category

P3a Flammable aerosols

E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 150t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500t

National regulations

Breakdown regulations

Class	Share in %
NK	75-<400

VOC-CH 90.00%

VOC-EU 545.5 g/l

Danish MAL Code 2-1

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

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.

Relevant

H220 Extremely flammable gas.

H224 Extremely flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness

H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Physical and chemical properties: the classification is based on the results of the mixtures tested. Health hazards, environmental hazards: the method of classification of mixtures based on the constituents of the mixture (sum formula)

SECTION 16: OTHER INFORMATION



SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Date: 02/12/2021

Abbreviations and acronyms

RID: Règlement international concernant des marchandises dangereuses par chemin de fer (regulations concerning the international transport of dangerous goods by rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European agreement concerning the international carriage of dangerous goods by road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
Mal-Code: Maletknisk Arbejdshygiejnisk Luftbehov (Regulation for the labelling concerning inhalation hazards, Denmark)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
Press. Gas (comp): Gases under pressure – compressed gas
Flam. Liq. 1: Flammable liquids – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment – long-term aquatic hazard – Category 2

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.