Material Safety Data Sheet

SYN E-Bike lube

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: SYN E-bike lube

Product Number: 288355

EC-Number: Not Relevant.

CAS-Number: Not Relevant.

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

Identified uses: Bicycle chains universal lube, designed for all climatic conditions.

1.3 Details of the supplier of the safety data sheet

Company: SCOTT Sports SA - SYNCROS

Route du Crochet 11
1762 Givisiez
Switzerland

Telephone: +41-26-4601616

Fax: +41-26-4601616

E-mail: recall@scott-sport.com

1.4 Emergency telephone number

Emergency Phone Number: +4144 251 51 51

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

This material is classified as not hazardous, according to Regulation.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not Relevant

3.2 Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Polybutene		
CAS-No. 9003-29-6 EC-No. Polymer Index-No. --- Registration number ---	---	<10%

No hazardous materials. No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

In case of skin contact

Immediately flush with cool water for at least 15 minutes. Get immediate medical attention. Cold material: Clean exposed skin with waterless hand cleaner.

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes. Seek medical assistance for mechanical removal of this material from the eye. The use of flushing fluid, other than water, is not recommended. Cold material: flush eyes with plenty of water.

If swallowed

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Wash out mouth with water. Call physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

If inhaled

Exposure to aerosols or particulates from heated material may cause adverse lung effects if high concentrations are inhaled.

In case of skin contact

Prolonged or repeated contact can lead to irritation, cracking and/ or dermatitis. Heated material can cause thermal burns.

In case of eye contact

May cause slight transient irritation. Heated material can cause thermal burns.

If swallowed

Ingestion may cause gastrointestinal irritation and diarrhea.

Delayed / Immediate effects

No Data.

4.3 Indication of any immediate medical attention and special treatment needed

No Data.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Rapid de-polymerization can occur in a fire and produce flammable vapors. May de-polymerize at temperatures above 200°C with the production of extremely flammable butene monomers. Vapor may cause fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide and carbon monoxide.

5.3 Advice for firefighters

Where open cell insulation has been contaminated with polybutene, spontaneous combustion may occur at temperatures as low as 138°C. Therefore, where open cell insulation has been used, the temperature of storage tanks and heat tracing must be kept well below 120°C and any insulation contaminated with polybutene should be replaced immediately.

5.4 Further information

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapor or spray. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Small spillage: For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. Large Spillage: For large spills, dyke spilt material or contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal. Avoid contact of spilt material and runoff with soil and surface waterways. Treat as an oil spill.

6.4 Reference to other sections

For personal protection see section 8.

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in a segregated and approved area. A potentially flammable atmosphere may be generated if material is held hot for prolonged periods. For prolonged storage at temperatures of 60° C and above, keep in rust-free tanks and exclude oxygen by use of a nitrogen blanket. Heating systems which generate localized hot spots should never be used. Suitable storage materials are: mild steel / carbon steel. Store and use away from heat, sparks, open flame or any other ignition source. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

7.3 Specific end use(s)

No Data.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

None.

8.2 Exposure controls

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protective equipment

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety glasses with side shields. Safety goggles, face shield or other full-face protection should be worn if there is a risk of direct exposure to aerosols or splashes or when material is handled hot.

Skin protection

Wear gloves that cannot be penetrated by chemicals or oil. Nitrile rubber. When handling hot material, wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the heated product. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Body Protection

Wear apron or coverall if there is a risk of exposure to splashes. When handling hot material, wear heat-resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product

Respiratory protection

If ventilation is inadequate, use respirator that will protect against organic vapor and dust/mist

Control of environmental exposure

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: Liquid Color: Yellow
Odor	Lemon
Odor Threshold	No Data
pH	No Data
Melting point/freezing point	No Data
Initial boiling point and boiling range	>350 °C
Flash point	170°C closed sup
Evaporation rate	No Data
Flammability (solid, gas)	No Data
Upper/lower flammability or explosive limits	Upper explosion limit: No Data Lower explosion limit: No Data
Vapor pressure	No Data
Vapor density	No Data
Relative density	0.8-0.85 gr/cm^3
Non-volatiles contain	99±1%
Water solubility	Not Miscible.
Partition coefficient: n octanol/water	No Data
Auto-ignition temperature	No Data
Decomposition temperature	No Data
Viscosity	140-170 cP/ sp.2/ V-60
Explosive properties	No Data
Oxidizing properties	No Data

9.2 Other safety information

No Data.

SECTION 10: Stability and reactivity

10.1 Reactivity

No Data.

10.2 Chemical stability

Stable under normal conditions of handling.

10.3 Possibility of hazardous reactions

May de-polymerize at temperatures above 200°C with the production of extremely flammable butene monomers.

10.4 Conditions to avoid

Keep away from all sources of ignition, heat, sparks, flame. Avoid strong oxidizing conditions. Avoid extended exposure to temperatures above 60° C in the presence of air.

10.5 Incompatible materials

Strong oxidizing agents; acidic clays at > 100C.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Polybutene: Oral – LD50, >34600 mg/kg (rat)

Dermal – LD50, > 10250 mg/kg / 24h (rabbit)

Skin corrosion/irritation

Prolonged or repeated contact can lead to irritation, cracking and/ or dermatitis. Heated material can cause thermal burns.

Serious eye damage/eye irritation

May cause slight transient irritation. Heated material can cause thermal burns.

Respiratory or skin sensitization

No Data.

Germ cell mutagenicity

No Data.

Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No Data.

Specific target organ toxicity - single exposure

No Data.

Specific target organ toxicity - repeated exposure

No Data.

Aspiration hazard

Exposure to aerosols or particulates from heated material may cause adverse lung effects if high concentrations are inhaled.

Additional Information

Ingestion may cause gastrointestinal irritation and diarrhea.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Test	Species	Dose
Polybutene	EC50/48h	Daphnia (Daphnia magna)	>1000 mg/l
	LC50/96h	Fish	>1000 mg/l

12.2 Persistence and degradability

No Data.

12.3 Bioaccumulative potential

No Data.

12.4 Mobility in soil

No Data.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

No Data.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Avoid contact of spilt material with soil and prevent runoff entering surface waterways. Consult an environmental

professional to determine if local, regional or national regulations would classify spilled or contaminated materials

as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

Contaminated packaging

Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards. Labels should not be removed from containers until they have been cleaned.

SECTION 14: Transport information

14.1 UN number: Not classified as dangerous goods for transport.

14.2 UN proper shipping name: No dangerous goods

14.3 Transport hazard class(es): Not classified as hazardous for transport.

14.4 Packaging group: Not Relevant

14.5 Environmental hazards: Not Relevant

14.6 Special precautions for user: Not Relevant

SECTION 15: Regulatory information

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

No Data.

15.2 Chemical Safety Assessment

No Data.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

Full text of R-phrases referred to under sections 2 and 3

Further information

This information was gathered from the raw materials suppliers. It is the user responsibly to verify the data and to use this product according to its requirements and instructions. Adhestick Innovations LTD or its employees will not be held responsible for any damage caused by the use of this information and/or the product.

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