



3005-0007

Material Safety Data Sheet

8154

Version nr : 2.05

CHAIN LUBE ROAD

Revised : 11/06/2004

Supersedes : 11/06/2004



F+ - Extremely flammable

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information

Commercial Product Name

CHAIN LUBE ROAD

Product code

8154

Use of the Substance/Preparation

Lubrifiant for road motorcycle chains

Manufacturer, importer, supplier

Supplier

MOTUL - Regulation Departement
Zone Industrielle - Chemin du Corps de Garde
77360 VAIRES SUR MARNE - FRANCE

Telephone

33.1.64.72.86.23

Telefax

33.1.64.72.86.28

EMERGENCY TELEPHONE NUMBER**ORFILA : 33.1.45.42.59.59**

Responsible Department

Health and Safety Department

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Aerosol
propellant Butane

Hazardous components

Naphtha (petroleum), hydrotreated light; Low boiling

Weight %

CAS-No.

EINECS-No.

point hydrogen treated naphtha

10 - 25 %

64/42-49-0

265-151-9

Xn,R65

butane

25 - 40 %

106-97-8

203-448-7

F+,R12

pentane

10 - 25 %

109-66-0

203-692-4

F+,XN,N,R12,R51/53,R65,R66,R67

propane

2,5 - 10

74-98-6

200-827-9

F+,R12

3. HAZARDS IDENTIFICATION

EC Label

Extremely flammable.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

Specific hazards

none under normal use

MOTUL

119, bd Félix Faure

B.P. 94

93303

France

Aubervilliers Cedex

phone : 0033.1.48.11.70.00

fax : 0033.1.48.33.28.79

Email : mmanno@motul.fr

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- physico-chemical properties
- properties affecting health
- environmental properties

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

This product contains a flammable component.
None known
Ecological injuries are not known or expected under normal use.

4. FIRST AID MEASURES

General advice

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- Inhalation

Move to fresh air.

- Eye contact

If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids.

- Skin contact

Consult a physician if necessary

Take off all contaminated clothing immediately.

- Ingestion

Wash off immediately with soap and plenty of water.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Do NOT give the affected person anything to drink, even if he is fully conscious.

Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media

dry powder

foam

- Extinguishing media which must not be used for safety reasons

carbon dioxide (CO₂)

high volume water jet

- Specific hazards

Incomplete combustion produces toxic gases, such as CO, CO₂, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.

Vapours may form explosive mixtures with air.

Aerosol Protection Level (NFPA 30B) : Level 3

- Specific methods

Water mist may be used to cool closed containers.

- Under fire conditions:

In the event of fire, wear self-contained breathing apparatus.

Dispose of promptly.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Depending on the risk of exposure, wear gloves, goggles, and protective clothing.

Ensure adequate ventilation.

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Environmental precautions

Do not let product enter drains.

Local authorities should be advised if significant spillages cannot be contained.

For environmental protection remove and wash all contaminated protective equipment before re-use.

MOTUL

119, bd Félix Faure

B.P. 94

93303

France

Aubervilliers Cedex

phone : 0033.1.48.11.70.00

fax : 0033.1.48.33.28.79

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Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contaminated surfaces will be extremely slippery. Prevent product from entering drains. Clean with detergents. Avoid solvents. Use personal protective equipment. Shovel into suitable container for disposal.	
7. HANDLING AND STORAGE		
Handling		
- Technical measures/Precautions	Provide sufficient air exchange and/or exhaust in work rooms. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.	
- Safe handling advice	Avoid contact with skin and eyes. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Do not breathe vapours or spray mist.	
Storage		
- Technical measures/Storage conditions	Use only receptacles, joints, pipes, etc, which are resistant to hydrocarbons. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 5 and 40 °C. 5 40 Keep away from food, drink and animal feeding stuffs. Do not let product enter drains. Keep well away from sources of heat. Avoid the accumulation of static electricity . Provide earthing. Keep away from direct sunlight. Keep out of reach of children. Do not smoke. Store in original container. Keep in a bunded area.	
- Incompatible products	Incompatible with strong acids and oxidising agents.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
<i>Exposure limit(s)</i>		
<u>TLV</u>	<u>VLE</u>	<u>TLV-TWA</u>
butane	-	800 ppm
pentane	-	600 ppm
propane	-	2500 ppm

MOTUL
119, bd Félix Faure
B.P. 94
93303 Aubervilliers Cedex
France

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Personal protective equipment

Respiratory protection

Hand protection

Eye protection

Skin and body protection

Hygiene measures

Breathing apparatus needed only when aerosol or mist is formed.

protective gloves

safety glasses

long sleeved clothing

Take off all contaminated clothing immediately.

When using do not eat or drink.

Avoid contact with the skin and the eyes.

Handle in accordance with good industrial hygiene and safety practice.

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquefied gas
Colour	colourless
Odour	solvent
pH	Not applicable
Boiling point/range	55 °C
Flash point	
open cup	not applicable
Water solubility	insoluble
Solubility in other solvents	Soluble in hydrocarbons
Gas	soluble
Autoinflammability	Butane
	200 °C

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions
Conditions to avoid	Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
Materials to avoid	Incompatible with oxidising agents.
	Incompatible with acids.
Hazardous decomposition products	Incomplete combustion produces toxic gases, such as CO, CO ₂ , various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.

11. TOXICOLOGICAL INFORMATION

MOTUL

119, bd Félix Faure

B.P. 94

93303

Aubervilliers Cedex

France

phone : 0033.1.48.11.70.00

fax : 0033.1.48.33.28.79

Email : mmano@motul.fr

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<u>Local effects</u>	<p>The following toxicological data shown are those obtained from tests on products of similar composition in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.</p> <p>Health injuries are not known or expected under normal use.</p> <p>Prolonged or repeated exposure may cause injuries to liver, kidneys, lungs, nerves and hereditary factors.</p> <p>lung irritation</p> <p>Mild eye irritation</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.</p> <p>Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.</p> <p>Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.</p>	
<u>Acute toxicity</u>		
Ingestion		
Eye contact		
Skin contact		
Inhalation		
Chronic toxicity		
12. ECOLOGICAL INFORMATION		
Mobility	Air : The product will evaporate into the atmosphere. Soil : In consideration of its physical and chemical characteristics, the product has only slight mobility in the soil. Water : Insoluble, the product spreads over the surface of the water. Do not flush into surface water or sanitary sewer system.	
Ecotoxicity effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
13. DISPOSAL CONSIDERATIONS		
Waste from residues / unused products	Send to an approved Waste Collector Collect all waste in suitable and labelled containers and dispose of in compliance with licence from HMIP issued under sections 6 & 7 of the Radioactive Substances Act 1960.	
Contaminated packaging	Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal or incineration. The user's attention is drawn to the possible existence of local regulations regarding disposal.	
NOTE	Send to an approved Waste Collector In accordance with local and national regulations. Avis relatif à la nomenclature ds déchets du 11/11	
14. TRANSPORT INFORMATION		
<u>Land transport</u>		
UN-No	1950	
Description of the goods	Aerosols, flammable, n.o.s	
Class	2	
Classification	5 F	
ADR/RID-Labels	3- Aérosols	

MOTUL
119, bd Félix Faure
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France

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Packaging group	-
Limited quantities	LQ02
<u>Sea transport</u>	
UN-No	1950
Class	2,1
Packaging group	-
Emergency schedule (EmS)	F-D, S U
Limited quantities	1 L
<u>Air transport</u>	
HI/UN No:	1950
Class	2,1
Packaging group	-
ICAO-Labels	Flammable gas
15. REGULATORY INFORMATION	
<u>EC Label</u>	
The preparation is classified as dangerous in accordance with Directive 1999/45/EC.	
Symbol(s):	F+ - Extremely flammable
R-phrases(s)	R12 - Extremely flammable. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67 - Vapours may cause drowsiness and dizziness.
S-phrases(s)	S 2 - Keep out of the reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe vapour. S46 - If swallowed, seek medical advice immediately and show this container or label. S51 - Use only in well ventilated areas.
<u>Special regulations on certain preparations</u>	
Pressurized recipient. To be protected against sun's rays and not exposed to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray towards a flame or an incandescent body.	
<u>France</u>	
This safety data sheet complies with the recommendations of European Community and French regulations. Contact your local branch for adaptation to specific national requirements.	
-	
36-59-84	
16. OTHER INFORMATION	

MOTUL
119, bd Félix Faure
B.P. 94
93303 Aubervilliers Cedex
France

phone : 0033.1.48.11.70.00
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16. Other information

This dossier supplements the technical notifications for use, but does not replace them. The information which it contains is based on our knowledge relating to the product in question on the date indicated. The information is given in good faith. The user's attention is also drawn to possible risks incurred if a product is employed for uses other than those for which it was designed. The information dossier does not, under any circumstances, discharge the user from the obligation of being aware of, and of applying, all the texts which govern his sphere of activity. He shall be solely responsible for taking the precautions associated with the use which he makes of the product. All the statutory provisions referred to are intended simply to assist the recipient in fulfilling the obligations incumbent upon him. This enumeration must not be considered to be exhaustive. The recipient must ensure that no obligations are incumbent upon him, as a result of texts other than those cited, relating to the holding and handling of the product, for which he alone is responsible.

Text of R phrases mentioned in Section 2

- R67 - Vapours may cause drowsiness and dizziness.
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R12 - Extremely flammable.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 - Harmful: may cause lung damage if swallowed.
- R66 - Repeated exposure may cause skin dryness or cracking.
- R67 - Vapours may cause drowsiness and dizziness.

This data sheet conforms to standards defined by directives 2001/58/CE
Data sheet prepared by MOTUL.

IMPORTANT: The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge.

MOTUL

119, bd Félix Faure
B.P. 94
93303 Aubervilliers Cedex
France

phone : 0033.1.48.11.70.00
fax : 0033.1.48.33.28.79
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