



Safety Data Sheet

Product name :

MOTO CHAIN LUBE (SPRAY)

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SDS n° :33154-44

Version :1.00

Version of :2006-02-09

This sheet supersedes the one dated :2006-02-09

PRODUCT LABELS

LABELLING (standard or EU):

Concerned

R-phrases :

R-10 Flammable.
R-66 Repeated exposure may cause skin dryness or cracking.
R-67 Vapours may cause drowsiness and dizziness.

S-phrases :

S-23 Do not breathe aerosol mist.
S-24 Avoid contact with skin.

Other :

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C Do not pierce or burn containers after use. Do not spray on naked flame or any incandescent material. Keep away from sources of ignition. - No smoking near product. Keep out of reach of children.

TRANSPORT LABELLING:

Applicable (see section 14)

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

Name of the product :

MOTO CHAIN LUBE (SPRAY)

Code No. :

H3D

Product application :

Product in aerosol form.

Supplier :

TOTAL UK LIMITED
40 Clarendon Road
Watford, Hertfordshire. WD17 1TQ
UNITED KINGDOM
Tel: 01923 694000
Fax: 01923 694400

Contact :

Specific Product Related Info: 01977 636200

*Emergency telephones :

UK -
01923 694000

Poisons Advice Centre :

NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

Burns Units :

NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

See local details at end of sheet :

Manufacturer :

TOTAL UK LIMITED
40 Clarendon Road
Watford, Hertfordshire. WD17 1TQ
UNITED KINGDOM
Tel: 01923 694000
Fax: 01923 694400

2. HAZARDS IDENTIFICATION

Health effects :

Under normal conditions of use, the product holds no danger of intoxication
Prolonged or repeated contact with the skin may cause rashes or more serious skin conditions.
Vapours may cause drowsiness and dizziness.

Environmental impact :

Do not discharge this product into the environment.

Physico-chemical hazards :

This product contains a flammable component.
Aerosol: Pressurised container.

Product classification :

Flammable.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION

Chemical nature :

Petroleum-derived severely refined mineral-base product
Content in PAH according to IP 346 method < 3%

Substances presenting a health hazard	EC No.	CAS No.	Content	Symbol(s)	R-phrases
Naphta (petroleum), hydrotreated heavy	265-150-3	64742-48-9	<40 %	Xn	R-10, 65, 66, 67

See section 16 for explanations of R-phrases :

4. FIRST AID MEASURES

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Inhalation :

Inhalation of heavy concentrations of vapour, fumes or spray, may cause mild irritation of the throat.
Transport the person into fresh air, keep warm and allow to rest.

Ingestion :

Possible risk of vomiting and diarrhoea.
Do not induce vomiting to avoid the risk of aspiration into the respiratory tract.
Give nothing to drink

Skin contact :

Immediately remove all soiled or stained clothing.
Wash the affected area immediately and repeatedly with soap and water.

Eye contact :

Keep eyes open and rinse immediately and repeatedly with water for at least 15 minutes.

5. FIRE FIGHTING MEASURES

Flash point: See heading 9

Extinguishing media :

- suitable:
Foam, carbon dioxide (CO₂), powder.
- not recommended:
do not use water jets (stick jets) for extinguishing fire since they could help to spread the flames.

Specific hazards :

Incomplete combustion and thermolysis produce gases of varying toxicity such as CO, CO₂, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled.
Vapours can build explosive mixtures with air.
Vapours are heavier than air and may spread on the ground to sources of ignition.

Protective measures for firefighters :

Insulated breathing apparatus must be worn in confined premises with heavy concentrations of fumes and gases.

Other :

All combustion residues and contaminated water from fire-fighting should be disposed of according to local regulations.

6. ACCIDENTAL RELEASE MEASURES

See sections 8 and 13.

Personal protection :

Ensure good ventilation.
Remove sources of ignition. Do not smoke.

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After spillage / leakage :

- On the soil:
Surfaces on which the product has been spilled may become slippery.
Do not allow the product to enter sewers or rivers or contaminate the soil.
Recover with mechanical means such as pumps and skimmers.
- On water:
If the product is spilled in a river or in the sewers, notify the authorities of the possible presence of surface effluent.

7. HANDLING AND STORAGE

HANDLING :

Prevention of user exposure :

Ventilate extensively if the formation of vapours, fumes, mists or aerosol is a risk.
Keep away from combustible substances; keep away from food and beverages.

Prevention of fire and explosion :

Empty containers may contain flammable or explosive vapours.
There is a fire hazard associated with rags, paper or any other material used to remove spills which become soaked with product.
Avoid accumulation of these: they are to be disposed off safely after use.

Precautions :

Never spray near a flame or glowing object.
Do not expose to sunlight or temperature exceeding 50 °C/123 °F.
Do not perforate or burn, even after use.
Avoid static electricity build up with connection to earth.

STORAGE :

Technical measures :

Make the necessary arrangements to prevent water and soil pollution.

Storage precautions :

- Suitable:
Store at room temperature, protected against contact with water and moisture, and away from any source of ignition.
- To be avoided:
Do not store exposed to the elements.

Incompatible products :

Dangerous reaction with strong oxidizing agents.

Packaging materials :

- Recommended:
Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures :

Use the product in a properly ventilated atmosphere.
When working on enclosed place (tanks, reservoirs...), make sure that atmosphere is not suffocating and/or wear recommended equipment.

Respiratory protection :

If exposure is likely to exceed the occupational exposure limit, in a ventilated space, use approved respiratory protective equipment; in confined spaces, use autonomous breathing apparatus.

Hand protection :

Impermeable hydrocarbon-proof gloves.
The break through times of the same type of glove of different manufacturers can be very different - even if the layer thickness is similar. Therefore the break through times have to be found out from the manufacturer of the protective gloves themselves.
The demands on the gloves are determined by the conditions in practice (e.g. multiple use, mechanical load, temperature, strength and duration of exposition).
Before choosing suitable gloves, it is recommended that the user tests the gloves.

Eye protection :

Goggles, in case of risk of splashing.

Skin and body (other than the hands) protection :

Depending on the requirements, face mask, boots, product resistant clothing, safety shoes (drum handling).
Don't wear rings, watches or anything similar which can retain the product and may give rise to skin conditions.



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Hygienic work practices :

Avoid prolonged and repeated contact with the skin, especially with used or waste product
Immediately remove all soiled or stained clothing.
If the product comes into contact with the skin, wash the affected area immediately and copiously with soap and water.
Do not use abrasives, solvents or fuels.
Do not use cloths stained with the product to dry hands.
Do not put the product-soaked rags into the pockets of working clothes.
Do not eat, drink or smoke while handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :

Liquid, pasty

Colour :

Yellow to amber.

Odour :

Characteristic.

Density/specific gravity :

796 kg/m³
Temperature (°C) 20

Flash point :

26 ° C (ISO 2719)

Temperatures at phase change :

Distillation range: 140-170 ° C ASTM D 86

Solubility :

- in water :
Negligible
- in organic solvents :
Soluble in many common solvents.

10. STABILITY AND REACTIVITY

Stability :

The product is stable at normal storage, handling and use temperatures.

Conditions to avoid :

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity

Materials to avoid :

Avoid contact with strong oxidizers

Hazardous decomp. products :

Incomplete combustion and thermolysis produces potentially toxic gases such as CO, CO₂, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

Acute toxicity / Local effect :

Inhalation, comments:

Vapours may cause drowsiness and dizziness.
Inhalation of high concentrations of vapour or aerosols may cause irritation of the upper respiratory tract.

Skin contact, comments:

Risk is improbable under normal conditions of use.
Repeated exposure can cause skin dryness or cracking.

Ingestion, comments:

In case of ingestion of small quantities, no important effect observed. in case of ingestion of larger amounts: abdominal pain, diarrhea, ...

CHRONIC TOXICITY OR LONG-TERM TOXICITY :

Skin contact :

Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing

Sensitization :

To our knowledge, the product does not cause aggravated sensitivity.

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12. ECOLOGICAL INFORMATION

Comments about ecotoxicity :

Experimental data on the finished product are not available.
It is considered to present a little danger for aquatic life.
no information available for used product

Mobility :

- Air:
there is a slow loss by evaporation.
- Soil:
Given its physical and chemical characteristics, the product generally shows little mobility in the ground.
- Water:
The product is insoluble; it spreads on the surface of the water

Persistence and degradability :

No experimental information about the finished product.
The product should offer slow biodegradability

13. DISPOSAL CONSIDERATIONS

Waste disposal :

Dispose of in a safe manner, in accordance with local regulations.
If necessary, collection by an approved collector.

Waste class :

The waste classification is dependant on the composition of the product at the time of disposal.
The waste classification mentioned here represents only a recommendation. The waste producer is responsible for the correct specification of the waste. The specification of the waste classification should be in arrangement with the authorised waste disposal company.

Disposal of contaminated packaging :

Proceed in compliance with the prevailing regulations.

14. TRANSPORT INFORMATION

UN Number :

1950

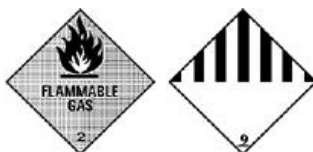
*Proper shipping name (national) :

Aerosols, flammable

Proper shipping name (international) :

Aerosols, flammable

Label for conveyance :



Road (ADR) / Rail (RID) :

Class :

2

Code de classification :

5F

Hazard Label(s) :

2.1

Transport by barge (ADNR) :

Class :

2

Code de classification :

5F

Hazard Label(s) :

2.1

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Marine (IMO-IMDG) :

Class :	2.1
Hazard Label(s) :	2.1
Safety card :	2-13
Marine pollutant :	No.

Air (ICAO/IATA) :

Class :	2.1
Hazard Label(s) :	2.1
Special provisions :	- ADR : 190 625

15. REGULATORY INFORMATION

Risk phrases :	R-10 Flammable. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness.
Safety phrases :	S-23 Do not breathe aerosol mist. S-24 Avoid contact with skin.
Other :	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn containers after use. Do not spray on a naked flame or on any incandescent material. Keep away from sources of ignition - Do not smoke. Keep out of reach of children.
EU directives :	Hazardous preparations directive 1999/45/EC modified (Directive 2001/60/EC). This product fulfills the requirements of the European directives : 76/769/EEC 2000/53/EC 2002/95/EC 2002/96/EC 2003/11/EC

16. OTHER INFORMATION

HSE Infoline: 08701 545500 / Minicom: 02920 808537

This sheet is in compliance with the standards defined by the directives 91/155/CEE, 93/112/CEE, 2001/58/CE and the article 14 of the directive 1999/45/EC.

Explanations of R-phrases in section 2 :	R-10 Flammable. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness.
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*Revision date:	2006-02-09
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*Supersedes the data sheet of:	2006-02-09
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* Information revised since the previous version of the SDS :

*SDS No. :	LT-DS-5804
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Safety Data Sheet status :	Approved.
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This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.