SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 38134

NEVASTANE LUBE

Date of the previous version: not applicable **Revision Date:** 2012-01-23 **Version** 1

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

1.1. Product identifier

Product name **NEVASTANE LUBE**
Number PC4
Pure substance/mixture Mixture

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

Identified uses Grease for incidental food contact.

1.3. Details of the supplier of the safety data sheet

Supplier

TOTAL UK LIMITED
40 Clarendon Road
Watford. Hertfordshire. WD17 1TQ
UNITED KINGDOM
Tel: +44 (0)1923 427700
Fax: +44 (0)1923 427701

For further information, please contact

Contact Point Specific Product Related Info : 01977 636200
E-mail Address rm.gb-msds@total.co.uk

1.4. Emergency telephone number

+33 1 49 00 00 49 (24h/24, 7d/7)
Total UK - 01923 427700
NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008
For the full text of the H-Statements mentioned in this Section, see Section 2.2.

DIRECTIVE 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16.

The substance/mixture is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments

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Symbol(s)
F+ - Extremely flammable
Classification
F+;R12 - R66 - R67

2.2. Label elements

Labelled according to: Directive 1999/45/EC


F+ - Extremely flammable

R-phrase(s)
R12 - Extremely flammable
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness

S-phrase(s)
S16 - Keep away from sources of ignition - No smoking.
S23 - Do not breathe spray.
S24 - Avoid contact with skin.
S51 - Use only in well ventilated areas.
S60 - This material and its container must be disposed of as hazardous waste
Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use
Do not spray on a naked flame or any other incandescent material

Restricted to professional users.

2.3. Other hazards

Physical-Chemical Properties Aerosol: Pressurised container. This product contains a flammable component.

Environmental properties Should not be released into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

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Chemical Name	EC-No	REACH Registration Number	CAS-No	Weight %	Classification (Dir. 67/548)	GHS Classification
Naphtha (petroleum), hydrotreated heavy	265-150-3	no data available	64742-48-9	>50	R10 Xn;R65 R66 R67	

Additional information Propellent gas Carbon dioxide

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE. Show this safety data sheet to the doctor in attendance.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.

Inhalation Move to fresh air.

Ingestion Do NOT induce vomiting. Rinse mouth.

Protection of first-aiders Use personal protective equipment.

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

Eye contact Not classified.

Skin contact Repeated exposure may cause skin dryness or cracking.

Inhalation Vapours may cause drowsiness and dizziness.

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

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

Notes to physician Treat symptomatically.

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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Cool containers / tanks with water spray. Dry chemical. Carbon dioxide (CO_2). Water spray. Alcohol-resistant foam. Foam. ABC powder.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special hazard Vapours may form explosive mixtures with air. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Flash back possible over considerable distance. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

5.3. Precautions for fire-fighters

Special protective equipment for fire-fighters In the event of fire and/or explosion do not breathe fumes. Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

Other information Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General Information Use personal protective equipment. Remove all sources of ignition. Heat, flames and sparks. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Avoid contact with eyes. Avoid breathing vapours or mists. Do not touch or walk through spilled material.

6.2. Environmental precautions

General Information Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevention of fire and explosion. A vapour suppressing foam may be used to reduce vapours. Try to prevent the material from entering drains or water courses. Do not allow material to contaminate ground water system. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

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6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Use clean non-sparking tools to collect absorbed material.
Contents under pressure.
Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.
Keep in suitable, closed containers for disposal. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections

Personal protective equipment

See Section 8 for more detail

Waste treatment

See section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Prevent the formation of vapors, mists and aerosols. When using, do not eat, drink or smoke. For personal protection see section 8. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. There is a 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 of safely after use.

Prevention of fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Design installations (machinery and equipment) to prevent burning product from spreading (tanks, retention systems, interceptors (traps) in drainage systems). OPERATE ONLY ON COLD AND DEGASSED TANKS IN VENTILATED PREMISES (TO AVOID RISK OF EXPLOSION). Do not use compressed air for filling, discharging or handling. Empty containers may contain flammable or explosive vapours.

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Hygiene measures	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Avoid breathing vapours, mist or gas. Avoid extended and repeated contact with the skin as this may cause skin disorders, which may also be aggravated by minor injuries or by contact with soiled clothing. Avoid prolonged and repeated contact with the skin, especially with used or waste product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. For safety reasons in case of fire, cans should be stored separately in closed containments.
Materials to avoid	Strong oxidising agents.

7.3. Specific use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parametres

Exposure limits	oil mist : 10mg/m³, for 15 minutes oil mist : 5mg/m³, for 8 hours
Legend	See section 16

8.2. Exposure controls

Occupational Exposure Controls

Engineering measures	Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal protective equipment

General Information	Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

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Respiratory protection	When using a mask or half mask :. Respirator with a vapour filter (EN 141). Type AX. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.
Eye protection	If splashes are likely to occur, wear:. Safety glasses with side-shields.
Skin and body protection	Antistatic boots. Long sleeved clothing. Wear fire/flame resistant/retardant clothing. Impervious gloves. Extended and repeated contacts with skin can cause skin ailments which may be aggravated by minor injuries or contact with soiled clothing.
Hand protection	Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Environmental exposure controls

General Information	Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Colour	colourless
Physical state @20°C	Aerosol
Odour	slight

Property	Values	Remarks	Method
pH		not applicable	
Boiling point/boiling range	**145 °C**		
	293 °F		
Flash point	**32 °C**		Closed cup
	90 °F		Closed cup.
Evapouration rate		No information available	
Flammability Limits in Air		No information available	
Vapour pressure		No information available	
Vapour density		No information available	
Density	795 kg/m³	@ 25 °C	
Water solubility		not applicable	
Solubility in other solvents		No information available	

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logPow		No information available
Autoignition Temperature	**240 °C**	
	464 °F	
Viscosity, kinematic		No information available

Explosive properties	May form explosive mixtures with air
Oxidising Properties	not applicable
Possibility of hazardous reactions	not applicable

9.2. Other information

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stability Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions No information available.

10.4. Conditions to Avoid

Conditions to Avoid Heat, flames and sparks. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects Product Information

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Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact Not classified.

Inhalation Vapours may cause drowsiness and dizziness.

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

Acute toxicity Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha (petroleum), hydrotreated heavy	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	

Sensitisation

Sensitisation Not classified as a sensitizer.

Specific effects

Carcinogenicity This product is not classified carcinogenic.

Chemical Name	European Union
Naphtha (petroleum), hydrotreated heavy 64742-48-9	-

Mutagenicity This product is not classified as mutagenic.

Chemical Name	European Union
Naphtha (petroleum), hydrotreated heavy 64742-48-9	-

Toxicity for reproduction This product does not contain any known or suspected reproductive hazards.

Repeated Dose Toxicity

Subchronic Toxicity No information available.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

Other adverse effects Characteristic skin lesions (oil blisters) may develop following prolonged and repeated exposures (contact with contaminated clothing).

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Not classified.

Acute aquatic toxicity Product Information
No information available.

Acute aquatic toxicity Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
Naphtha (petroleum), hydrotreated heavy 64742-48-9		LC50 (96h) = 2.6 mg/L Chaetogammarus marinus	LC50 (96h) = 2200 mg/L Pimephales promelas ()	

Chronic aquatic toxicity Product Information
No information available.

Chronic aquatic toxicity Component Information
No information available.

Effects on terrestrial organisms
No information available.

12.2. Persistence and Degradability

General Information
No information available

12.3. Bioaccumulative potential

Product Information No information available

logPow No information available
Component Information

12.4. Mobility in soil

Soil No information available.

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Air	No information available.
Water	The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment	No information available.

12.6. Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products	Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging	Empty containers may contain flammable or explosive vapours. Do not burn, or use a cutting torch on, the empty drum. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

ADR/RID

UN/ID No	UN1950
Proper shipping name	AEROSOLS, limited quantity
Hazard Class	2
ADR/RID-Labels	2.1
Classification Code	5F
Special Provisions	190, 327, 625
Tunnel restriction code	(D)
Description	UN1950, AEROSOLS, 2.1, (D), MIXTURE
Excepted Quantity	E0
Limited quantity	LQ2

IMDG/IMO

UN/ID No	UN1950

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Proper shipping name	Aerosols, limited quantity
Hazard Class	2.1
EmS	F-D, S-U
Description	UN1950, AEROSOLS, 2, MIXTURE
Special Provisions	63, 190, 277, 327, 959
Excepted Quantity	E0
Limited quantity	See SP277

ICAO/IATA

UN/ID No	UN1950
Hazard Class	2.1
Proper shipping name	Aerosols, flammable, limited quantity
ERG Code	10L
Special Provisions	A145 , A153
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1, MIXTURE
Excepted Quantity	E0
Limited quantity	30 kg G

ADN

UN/ID No	UN1950
Proper shipping name	AEROSOLS, limited quantity
Hazard Class	2
Hazard Labels	2.1
Classification Code	5F
Special Provisions	190, 327, 625
Description	UN1950, AEROSOLS, 2.1, MIXTURE
Excepted Quantity	E0
Limited quantity	LQ2
Ventilation	VE01, VE04

15. REGULATORY INFORMATION

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

European Union

Other regulations
Flammability measured according to directive 2008/47/EC
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

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International Inventories

EINECS/ELINCS	-
TSCA	-
DSL	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-

Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

Further information

15.2. Chemical Safety Assessment

15.3. National regulatory information

The United Kingdom

Avoid exceeding occupational exposure limits (see section 8).

Ireland

Avoid exceeding occupational exposure limits (see section 8).

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R10- Flammable
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness
R65 - Harmful: may cause lung damage if swallowed
R12 - Extremely flammable

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Abbreviations, acronyms

Legend Section 8

+	Sensitiser	*	Skin designation
**	Hazard Designation	C:	Carcinogen
M:	Mutagen	R:	Toxic to reproduction

Revision Date: 2012-01-23
Revision Note *** Indicates updated section
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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.

End of Safety Data Sheet