

Safety Data Sheet

Product name : NEVASTANE GREASE AEROSOL Page : 1/7
SDS n° :38137-33 Version :1.01 Version of :2009-02-05
This sheet supersedes the one dated :2008-12-09

PRODUCT LABELS

LABELLING (standard or EU): Concerned

Symbol(s) :



Symbol(s) : F+ Extremely Flammable

R-phrases : R-12 Extremely flammable.
R-67 Vapours may cause drowsiness and dizziness.
R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : S-23 Do not breathe fumes/vapour/aerosol mist.
S-51 Use only in well-ventilated areas.
S-61 Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
Pressurised 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 incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.

TRANSPORT LABELLING: Applicable (see section 14)

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

Name of the product : NEVASTANE GREASE AEROSOL

Code No. : PC2

Product application : Product in aerosol form.

Supplier : TOTAL LUBRIFIANTS
562, Avenue du Parc de l'Île
92029 Nanterre Cedex - France
Tel: +33 (0)1 41 35 40 00
Fax: +33 (0)1 41 35 84 71
rm.msds-lubs@total.com

Emergency telephones : ORFILA / Tel : 01.45.42.59.59

See local details at end of sheet :

2. HAZARDS IDENTIFICATION

Health effects : Vapors may cause drowsiness and dizziness.

Environmental impact : Do not discharge this product into the environment.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Physico-chemical hazards : This product contains a flammable component.
Aerosol: Pressurised container.

Product classification : Extremely flammable

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3. COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION

Chemical nature :

Petroleum-derived severely refined mineral-base product
Product containing mineral oil with less than 3 % DMSO extract as measured by IP 346

Substances presenting a health hazard	EC No.	CAS No.	Content	Symbol(s)	R-phrases
ALCANE C7-C10	292-458-5	90622-56-3	<25 %	Xn ,N	R-11, 38, 51/53, 65, 67
Propane	200-827-9	74-98-6	<10 %	F+	R-12
BUTANE (contenant moinsde 0.1% de Butadiène)	203-448-7	106-97-8	50-100 %	F+	R-12

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, as this may help the spread of flames.
Never use water.

Specific hazards :

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.
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.

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Personal protection : Ensure good ventilation.
Remove sources of ignition. Do not smoke.

After spillage / leakage :

- On land:
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 spilt into rivers or 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 ambient 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.

Occupational exposure limit :

- . oil mist : 10mg/m³, for 15 minutes
- . oil mist : 5mg/m³, for 8 hours

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.

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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.

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 dry hands with rags that have been contaminated with product.
Do not put product contaminated rags into workwear pockets.
Do not eat, drink or smoke whilst handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Under pressure: liquid.

Odour : Characteristic.

Density/specific gravity : < 1000 kg/m³

Flash point : < 0 °C

Température d'auto-inflammation : 200 °C

Temperatures at phase change : Boiling point: 77 ° C

Solubility :
- in water : Insoluble
- 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 carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

Acute toxicity / Local effect :

Inhalation, comments: Inhalation of high concentrations of vapour or aerosols may cause irritation of the upper respiratory tract.

Skin contact, comments: Not classified according to the criteria of classification in force.

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

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

12. ECOLOGICAL INFORMATION

Comments about ecotoxicity : Experimental data on the finished product are not available.
no information available for used product
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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.

National regulations :

- France :
List of wastes: OJEC L349 of 16.02.2001.
Law No. 75-633 of 15.07.75 amended, relative to the elimination of wastes and the recovery of materials.
Regulations concerning the collection of used oils:
Decree 79-981 of 21.11.79 and rules of 28.01.99 relative to their collection and the conditions for their elimination.
Law No. 88-1261 of 30.12.88 concerning the import, export and transit of wastes.
Decree No. 77-254 of 08.03.77 relative to the regulation for the dumping of oils and lubricants into surface waters.

14. TRANSPORT INFORMATION

UN Number : 1950
Proper shipping name (national) : 1950 AEROSOLS , INFLAMMABLES
Proper shipping name (international) : AEROSOLS , FLAMMABLES
Label for conveyance :



Road (ADR) / Rail (RID) :
Class : 2

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Code de classification : 5F
Hazard Label(s) : 2.1
Transport by barge (ADNR) :
Marine (IMO-IMDG) :
Class : 2
Safety card : F-D, S-U
Air (ICAO/IATA) :
Class : 2.1
Comments: LQ : 2
Special provisions : - ADR :
190
625
327

15. REGULATORY INFORMATION

Symbol(s) :



Symbol(s) : F+ Extremely Flammable
Risk phrases : R-12 Extremely flammable.
R-67 Vapours may cause drowsiness and dizziness.
R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases : S-23 Do not breathe fumes/vapour/aerosol mist.
S-51 Use only in well-ventilated areas.
S-61 Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
Pressurised 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 incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.
EU directives : Hazardous preparations directive 1999/45/EC modified (Directive 2001/60/EC).
Social Security code : Table of occupational illnesses and diseases :

16. OTHER INFORMATION

For France, in case of poisoning call the Antipoison Centre (if possible in your area) and/or the SAMU (15), see ORFILA number below -
Tel : Angers 02.41.48.21.21 - Bordeaux 05.56.96.40.80 - Lille 03.20.44.44.44 - Lyon 04.72.11.69.11 - Marseille 04.91.75.25.25 - Nancy 03.83.32.36.36 - Paris 01.40.05.48.48 - Rennes 02.99.59.22.22 - Strasbourg 03.88.37.37.37 - Toulouse 05.61.77.74.47



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Explanations of R-phrases in section 2 :

R-11 Highly flammable.
R-38 Irritating to skin.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-65 Harmful: may cause lung damage if swallowed.
R-67 Vapours may cause drowsiness and dizziness.
R-12 Extremely flammable.

Revision date:

2009-02-05

Supersedes the data sheet of:

2008-12-09

* Information revised since the previous version of the SDS :

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.