



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 38137

NEVASTANE GREASE AEROSOL

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 GREASE AEROSOL
Number	PC2
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.
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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
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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 - R67 - R52-53

2.2. Label elements

Labelled according to:

Directive 1999/45/EC



F+ - Extremely flammable

R-phrases(s)

R12 - Extremely flammable

R67 - Vapours may cause drowsiness and dizziness

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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.

S51 - Use only in well ventilated areas.

S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets

Do not spray on a naked flame or any other incandescent material

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use

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
Alkanes, C7-10-iso-	292-458-5	no data available	90622-56-3	<20	F;R11 Xi;R38 Xn;R65 R67 N;R51/53	

Additional information Propellent gas Propane Butane

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	Not classified.
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 (CO₂). 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

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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.

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.



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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.
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/m ³ , for 15 minutes oil mist : 5mg/m ³ , for 8 hours
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Legend	See section 16
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8.2. Exposure controls

Occupational Exposure Controls

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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.
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.
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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Colour		white	
Physical state @20°C		Aerosol	
Odour		No information available	
Property	Values	Remarks	Method
pH		not applicable	
Boiling point/boiling range	77 °C 171 °F		
Flash point	35 °C 95 °F		Closed cup Closed cup.
Evapouration rate		No information available	



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Flammability Limits in Air		No information available
Vapour pressure		not applicable
Vapour density		No information available
Density	< 1000 kg/m ³	
Water solubility		Insoluble
Solubility in other solvents		No information available
logPow		No information available
Autoignition Temperature	200 °C 392 °F	
Decomposition temperature	200	
Viscosity, kinematic		not applicable
Explosive properties	May form explosive mixtures with air	
Oxidising Properties	not applicable	
Possibility of hazardous reactions	Strong oxidising agents	

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



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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

Skin contact	Not classified.
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
Alkanes, C7-10-iso-	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 4240 ppm (Rat) 4 h

Sensitisation

Sensitisation Not classified as a sensitizer.

Specific effects

Carcinogenicity This product is not classified carcinogenic.

Mutagenicity This product is not classified as mutagenic.

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



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Other adverse effects

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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

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

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
Alkanes, C7-10-iso-90622-56-3			LC50 (96h) = 124 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



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12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

General Information No information available.

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.
EWG 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
Environmental hazard.	yes
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
Marine pollutant	Marine pollutant
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
Environmental hazard.	yes
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/NDL - 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

R11 - Highly flammable

R67 - Vapours may cause drowsiness and dizziness

R38 - Irritating to skin

R65 - Harmful: may cause lung damage if swallowed

R12 - Extremely flammable



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R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Abbreviations, acronyms

Legend Section 8

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

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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