

Safety Data Sheet (REACH)



According to Norm (CE) n°1907/2006 and Norm (CE) n° 453/2010

Name of the product:	GREENOX P.T.F.E. Lubricant Oil	Issue date 06/14	Version 2.0	Replaces Version:1.0 03/13
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SECTION 1 : Identification of the mixture, of the society or company

- 1.1 Product identifier: GREENOX PTFE Lubricant Oil
- 1.2 Identified relevant uses and non-recommended uses: Lubricant
- 1.3 Data of the provider of the security sheet:
 - NOVASOL SPRAY, S.A.
 - Pol. Ind. Empalme – c/ Empalme n° 27
 - 43712 Tarragona – España
 - Tel. +34-977.67.73.05
 - Fax. +34-977.67.80.72
 - E-mail: novasol@novasolspray.com
- 1.4 Emergency telephone ; Tel. +34-977.67.73.05 (8:30-18:00) (Bureaux)

SECTION 2 : Identification of the dangers

2.1 Classification of the mixture

Health	Non classified
Physical	H222: Extremely flammable aerosol. H229: Pressurized container: May explode if heated.
Environment	Non classified

2.2 Elements of the label

Precaution symbols	
Warning sentences	Danger
Hazard sentences	H222: Extremely flammable aerosol. H229: Pressurized container: May explode if heated.
Security sentences	P210: Keep away from heat, sparks, open flames and hot surfaces – No smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P410-P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102: Keep out of the reach of children. P261: Avoid breathing spray. P271: Use only outdoors or in a well-ventilated area.
Additional information	-
Hazardous ingredients	-

2.3 Other dangers

None

SECTION 3 : Composition/information about the ingredients

3.1 Substances

Non applicable

3.2 Mixtures

Dangerous ingredients	Register Number	N° CAS	EC-Nr.	% w/w	Class and category of the hazard	Indications of the hazard	Symbol Direct. 67/548/CE	R Senten. Direct. 67/548/CE	Re m.
Olefins and sulfurized esters				<1				52/53	
Derivatives of toluiltriazol				<0,1			Xn	20, 36/38, 43, 53	
Butane		106-97-8	203-448-7	25-50	Flamm. gas 1; Gas under pressure	H220, H280	F+	12	
Propane		74-98-6	200-827-9	<10	Flamm. gas 1; Gas under pressure	H220, H280	F+	12	
Isobutane		75-28-5	200-857-2	<10	Flamm. gas 1; Gas under pressure	H220, H280	F+	12	

SECTION 4 : First Aid Measures

4.1 Description of the first aid measures

- Eye Contact :** If the substance has got in contact with the eyes, wash them with plenty of water during at least 15 minutes, afterwards bring him/her to a medical examination.
- Skin contact :** Take away the clothes immediately and soak the affected skin with plenty of water. Afterwards wash with water and soap. If the irritation persists, seek medical advice
- Inhalation :** Bring him/her out in the fresh air. Keep him/her wrapped up and restful, in a semi-erect position. Loosen the cloths. In case of discomfort, look for medical advice.
- Ingestion :** No not induce vomiting and look for medical advice

4.2 Main symptoms, sharp and delayed effects.

- Eye Contact :** May cause eye irritation
- Skin contact :** May cause irritation.
- Inhalation :** May cause headache, dizziness, tiredness, muscular weakness, drowsiness and in extreme cases, loss of conscience.
- Ingestion :** May cause sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhea.

4.3 Indications about medical care and especial treatment that should be given immediately.

In case of discomfort, seek medical advice (if possible show him/her the label). If the symptoms persist, seek always medical advice.

SECTION 5 : Fire fighting measures

5.1 Extinguishing media:

Foam, carbon dioxide or dry powder.

5.2 Specific hazards derivative of the substance or of the mixture.

Aerosols may explode from internal pressure build-up when exposed to temperatures exceeding 50°C. It builds up products of hazardous breakdown: CO, CO₂.

5.3 Recommendations for the fire fighting staff.

Keep cool the cans exposed to fire, sprinkling them with water. In case of fire, no dot breath the gases.

SECTION 6 : Measures in case of accidental spill

6.1 Personal precautions, protective equipment and emergency procedures.

Extinguish all sources of ignition. Assure a good air circulation. Use suitable protective clothes and gloves.

6.2 Precautions concerning the environment

Do not allow to discharge the product either into the public drains or into watercourses.

If the polluted water reaches the drains or watercourses, inform immediately the competent authorities.

6.3 Methods, contentment material and cleaning up.

Collect the spill with non-combustible absorbent materials (soil, sand, diatomaceous earth...)

Put into a convenient container.

6.4 Reference to other sections

For the control of exposition and measures concerning individual protection, see epigraph 8.

For the later elimination of the waste, follow the recommendations of epigraph 13.

SECTION 7 : Handling and storage

7.1 Precautions for a sure handling

Accomplish with the in force legislation about labour risk prevention. Keep away from heat and sources of ignition. Prevent accumulation of electrostatic charges. Use anti-deflagrating, lighting electrical material. Use only tools which do not produce sparks. Do not breath aerosol or vapours. Assure suitable ventilation. Avoid contact with eyes and skin. Wash carefully after use. Use gloves/clothes/glasses/protective masks. Have ready bottles for eye protection.

7.2 Conditions of sure storage, including possible incompatibility

Entrance prohibited to non-authorized staff. Keep out of the reach of children. The product must be stored isolated from electrical and ignition sources. Do not smoke within the area of storage. Prevent the direct solar radiation. Prevent extreme wet conditions. Keep away from oxidant agents and highly alkaline materials or strong acids.

7.3 Final specific uses

Lubricant

SECTION 8 : Controls of exposition/individual protection

8.1 Control parameters

Limit values of professional exposition:

INSHT 2012 Values	N° CAS	VLA-ED		VLA-EC	
		ppm	mg/m ³	ppm	mg/m ³
Butane	106-97-8	1000			
Propane	74-98-6	1000			
Isobutane	75-28-5	1000			

VLA – (Environment Limit Value) ED – (Dairy exposition) EC – (Short time exposition)

8.2 Exposition controls

Control procedures:	Assure suitable ventilation. Keep away of heat and sources of ignition. Avoid accumulation of electrostatic charges.
Personal protection:	Take suitable precautions to avoid contact with skin and eyes when manipulating it. Assure good ventilation.
Breath protection:	In case of insufficient ventilation, use suitable respiratory equipment. Gases mask and organic vapours (A,AX) (EN141-143)
Skin and hand protection:	Wear suitable protective gloves (butyl rubber) (EN374)
Eyes protection:	Wear protective glasses (EN166).

SECTION 9 : Physical and chemical properties.

9.1 Information about basic physical and chemical properties

Physical state	Aerosol
Odour	Characteristic
pH	Non applicable
Boiling point	-12°C a 1 atm.
Flashpoint	- 82,7°C (Propellant)
High limit of explosion	9,9% Volume
Inferior limit of explosion	2,2% Volume
Auto flammability	>200°C
Vapour pressure	Not applicable
Relative density	Not applicable
Water solubility	immiscible
Viscosity	Not applicable

9.2 Additional information

Non volatile	61.4 % Weight
COV/VO	38.6 % Weight
COV/VO	279 g/l

SECCIÓN 10 : Stability and reactivity

10.1 **Reactivity:** Hazardous reactions unknown if the product is used to the pretended use.

10.2 **Stability:** Stable under recommended conditions of storage and handling.

10.3 **Possibility of hazardous reactions:** Hazardous reactions unknown if the product is used to the pretended use.

10.4 **Conditions to be avoided:** Avoid re-heating

10.5 **Non compatible materials:** Keep away from strong oxidizing agents and strongly alkaline and strongly acid.

10.6 **Breakdown hazardous products:** CO, CO₂

SECTION 11 : toxicological information

11.1 Information about toxicological effects

Inhalation:	The solvent vapours may cause nausea, headache and dizziness.
Ingestion:	May cause gastrointestinal disturbances
Skin contact :	Repeated exposure may cause skin dryness or cracking
Eyes contact :	May irritate the eyes

Toxicological data

Hazardous ingredients	N° CAS	DL50 mg/kg oral	DL50 mg/kg skin	CL50 mg/m ³ inhalation

SECTION 12 : Ecological information

12.1 Toxicity: Toxic to aquatic organism. May cause long-term adverse effects in the aquatic environment.

Eco toxicological data

Hazardous ingredients	N° CAS	EC50 – mg/l	IC50 – mg/l	LC50 – mg/l – 96h.
Butane	106-97-8	4,71 – 96 h. algae		
Propane	74-98-6	4,71 – 96 h algae		

12.2 Persistence and degradability: Not available

12.3 Bioaccumulation. Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT & mPmB assessments: Not available

12.6 Other adverse effects: Not available

SECTION 13 : Considerations concerning the elimination

13.1 Methods for the waste treatment

Product	Eliminate the product waste and its containers with all the possible precautions. Do not discharge into the drains or in the environment. Eliminate in an authorized waste collection point
Polluting container	The disposal will be effected according to the local, regional or national ordinances.

SECTION 14 : Information concerning the transport

14.1 ONU Number: UN 1950

14.2 Transport official designation of the United Nations: AEROSOLS

14.3 Hazard class for the transport: Class: 2.1 / ADR/RID – Classification code: 5F

14.4 Packing group: Not applicable

14.5 Hazards for the environment

ADR/RID – Hazardous for the environment: No

IMDG – Maritime Pollutant: No

IATA/CAO – Hazardous for the environment: No

14.6 Specific precautions for the users:

ADR/RID – Tunnel code: (D)

IMDG – Ems: F-D, S-U

IATA/CAO – PAX 203

IATA/CAO – CAO 203

14.7 Bulk transport in accordance with Annexe II of MARPOL Agreement 73/78 and Code IBC

Not applicable

SECTION 15 : Regulatory information

15.1 Specific rules and legislation in terms of security, health and environment for the mixtures.

Directive 2008/47/EC modifications of the aerosol Directive 75/324/EEC Directive 99/45/EU. Norms CE n° 1907/2006

15.2 Evaluation of the chemical security

Not available

SECTION 16 : Other information

Explanation about hazardous indications

H220: Gas extremely flammable. H280: Contains gas under pressure.

Classification according to the Directive 1999/45/CE – 67/548/CEE

Precaution symbols	F+ Extremely flammable 
Hazard sentences	R12: Extremely flammable.
Security sentences	S2: Keep out of the reach of children. S-15: Protect from heat. S16: Keep away from any source of ignition – No smoking. S23: Do not breath vapours. S51: Use only in well ventilated areas. S46: If swallowed, seek medical advice immediately and show him/her this container or label.
Additional information	P96: Pressurized container: protect from sun light and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. P97: Do not spray on a naked flame or any incandescent material. Keep away from any flame or any source of ignition – No smoking. Keep out of the reach of children.
Hazardous ingredients	-

Explanation of hazardous sentences

R12: Extremely flammable. R20: Harmful by inhalation. R36/38: Irritating to eyes and skin. R43: May cause sensitisation by skin contact. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information of this Safety Data Sheet regarding the product is based on the present knowledge, on the laws in force in the EU and on the national laws, considering that the working conditions of the users are out of our acknowledgment and control. The product must not be used to different purposes than those specified in the epigraph 1. It is always responsibility of the user to take the suitable measures in order to accomplish the established requirements in the local norms and in the in force legislation. The information contained in this Safety Data Sheet does not mean a description of the security requirements of the product and it must not be considered a warrantee of its properties.


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