

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	Lubricant spray PTFE-OIL TF500 400 ml
CODE	110005
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Regulation nº1272/2008 (CLP)



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

A. Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms**



GHS02

- Signal word**

Danger

- Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements**

P102 Keep out of reach of children.

P260 Do not breathe spray.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local regulations.

• **Additional information**

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Description: Active substance with propellant.

CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3 Reg.nr.: 01-2119487077-29-xxxx	Distillates (petroleum), hydrotreated light paraffinic ⚠ Asp. Tox. 1, H304	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane ⚠ Flam. Gas 1, H220 Press. Gas C, H280	12,5-20%
Número CE: 918-481-9 Reg.nr.: 01-2119457273-3	Naphta (petroleum), hydrotreated heavy ⚠ Asp. Tox. 1, H304	10-12,5%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane ⚠ Flam. Gas 1, H220 Press. Gas C, H280	10-12,5%
CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30-xxxx	pentane ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H336	10-12,5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane ⚠ Flam. Gas 1, H220 Press. Gas C, H280	10-12,5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. After inhalation

Supply fresh air; consult doctor in case of complaints.

B. After skin contact

Generally the product does not irritate the skin.

C. After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

D. After swallowing

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards caused by the substance, its products of combustion or resulting gases

No further relevant information available.

5.3. Advice for firefighters

Special protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

6.4. Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

A. Fire-and explosion prevention

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2. Conditions for a safety storage, including incompatibilities

A. Storage

• **Requirements to be met by storerooms and receptacles**

Store in a cool place.

Observe official regulations on storing packagings with pressurized containers.

• **Information about storage in one common storage facility**

Not required.

• **Further information about storage conditions**

Protect from heat and direct sunlight.

7.3. Specific end uses

No further information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1. Control parameters

A. Ingredients with admissible limit values to be controlled

106-97-8 butane
WEL Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
109-66-0 pentane
WEL Long-term value: 1800 mg/m ³ , 600 ppm

Additional information: the lists valid during the making were used as basis.

8.2. Exposure control

A. Personal protective equipment

• **General protective and hygienic measures**

Wash hands before breaks and at the end of work.

Do not inhale gases/fumes/aerosols.

• **Respiratory protection**

Not required.

• **Protection of hands**

Not required.

Material of gloves: Not required.

Penetration time of glove material: Not required.

- **Eye protection**
Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic physical and chemical properties

Form	Aerosol
Colour	Light brown
Odour	Solvent-like
Odour threshold	Undetermined
pH value	Undetermined
Melting point/melting range	Undetermined
Boiling point/boiling range	Not applicable, as aerosol.
Flash point	<0 °C (<32 °F). Not applicable, as aerosol.
Flammability (solid, gas)	Not applicable
Self-ignition	> 200 °C (> 392 °F)
Decomposition	Undetermined
Self-ignition:	This product is no self-igniting.
Danger of explosion	This product is no explosive; however, may form flammable/explosive vapour-air mixture.
Lower explosive limit	0.6 Vol %
Upper explosive limit	10,9%
Vapour pressure at 20°C (68 °F)	3500 hPa (2625 mm Hg)
Density at 20°C (68 °F)	0.675 g/cm ³ (5.633 lbs/gal)
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20°C	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic at 20°C	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	65.0 %
EU-VOC	438.8 g/l
EU-VOC in %	65.00 %
Solids content	34.0 %

9.2. Additional information

No further relevant information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/ conditions to be avoided: No decomposition if used according to specifications.

10.3. Dangerous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Dangerous decomposition products

No dangerous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

A. Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
Naphta (petroleum), hydrotreated heavy		
Oral	LD50	>15000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab
Inhalative	LC50/4h	>2.8 mg/m ³ (rat)
106-97-8 butane		
Inhalative	LC50 / 4 h	658000 mg/m ³ (rat)
109-66-0 pentane		
Oral	LD50	>16000 mg/kg (rat)
Dermal	LD50	>2500 mg/kg (rat)
		>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>100 mg/m ³ (rat)

B. Primary irritant effect

• Skin corrosion/irritation

Based on available data, the classification criteria are not met.

• Serious eye damage/irritation

Based on available data, the classification criteria are not met.

• Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

C. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

• Germ cell mutagenicity

Based on available data, the classification criteria are not met.

• Carcinogenicity

Based on available data, the classification criteria are not met.

• Reproductive toxicity

Based on available data, the classification criteria are not met.

• STOT-single exposure

Based on available data, the classification criteria are not met.

- **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

- **Aspiration hazard**

Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

A. Aquatic toxicity

Naphta (petroleum), hydrotreated heavy	
LC50 / 96 h	>100 mg/l (crustacean (amphipod)) >100 mg/l (fish)
109-66-0 pentane	
EC50 / 48 h	9.7 mg/l (daphnia magna)
LC50 / 96 h	1-10 mg/l (fish)

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulation potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

A. Ecotoxicological effects

Notes: Harmful to fish

B. Additional environmental directions

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation: must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue
20 01 13* solvents
15 01 04 metallic packaging

13.2. Uncleansed packages

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR, IMDG, IATA: UN1950

14.2. UN proper shipping name

ADR, ADN: 1950 AEROSOLS

IMDG: AEROSOLS

IATA: AEROSOLS, Flammable

14.3. Transport hazard class

ADR



Class: 2 5F Gases

Label: 2.1

IMDG, IATA



Class: 2.1

Label: 2.1

14.4. Packaging group

ADR, IMDG, IATA: Void

14.5. Environmental hazards

Marine Pollutant: No

14.6. Special precautions for users

Warning: Gases

Kemler number: -

EMS number: F-D, S-U

- Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

A. Transport/additional data

ADR

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code E0. Not permitted as excepted quantity.
Transport category 2
Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code E0. Not permitted as excepted quantity.

B. UN "Model Regulation"

UN1950 AEROSOLS, 2.1

15. REGULATORY INFORMATION

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

A. Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

• Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3