

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

Safety Data Sheet dated 27/9/2023, version 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: LUBRIFICANTE GRAFITE 200ML

Trade code: A02245

UFI: 2MR0-40QP-700T-KTUN

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

Recommended use:

Technical product

Uses advised against:

do not use on humans and animals

do not use for purposes other than those indicated.

1.3. Details of the supplier of the safety data sheet

Company:

STAC PLASTIC SPRAY S.R.L. Via E. De Nicola 9/11 10036 Settimo Torinese (To) Italia.

STAC PLASTIC SPRAY S.R.L. Tel. n. +39 011 8977566 Fax n. +39 011 8977491

Competent person responsible for the safety data sheet:

Massimiliano Brescia stacplas@stacplastic.com

1.4. Emergency telephone number

"CAV ""Osp. Pediatrico Bambino Gesù"": 06-68593726

Az. Osp. Univ. Foggia: 0881-732326

Az. Osp. ""A. Cardarelli"": 081-7472870

CAV Policlinico ""Umberto I"": 06-49978000

CAV Policlinico ""A. Gemelli"": 06-3054343

Az. Osp. ""Careggi"" U.O. Tossicologia Medica: 055-7947819

CAV Centro Nazionale di Informazione Tossicologica: 0382-24444

Osp. Niguarda Ca' Granda: 02-66101029

Azienda Ospedaliera Papa Giovanni XXIII: 800883300

Azienda Ospedaliera Integrata Verona: 800011858"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):



Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.



Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

H336 May cause drowsiness or dizziness.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

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

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER if you feel unwell.

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

P501 Dispose of container in accordance with national regulation.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

may form explosive vapor / air mixtures in places not well ventilated

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 40\%$ - $< 50\%$	propane	Index number: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 REACH No.: 01-2119486944-21-xxxx	 2.2/1 Flam. Gas 1 H220  2.5/C Press Gas (Comp.) H280
$\geq 20\%$ - $< 25\%$	Hydrocarbons, C4	Index number: 649-113-00-2 CAS: 87741-01-3 EC: 289-339-5 REACH No.: 01-2119480480-41-xxxx	 2.2/1 Flam. Gas 1 H220  2.5/L Press Gas (Liq.) H280
$\geq 10\%$ - $< 12.5\%$	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, $< 2\%$ aromatics	CAS: 64742-48-9 EC: 919-857-5 REACH No.: 01-2119463258-33-xxxx	 3.10/1 Asp. Tox. 1 H304  3.8/3 STOT SE 3 H336  2.6/3 Flam. Liq. 3 H226

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

For symptoms and effects due to the contained substances see chapter 11

Frostbite

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Follow the doctor's instructions.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

Water.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Keep containers cool with water spray.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
- Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Do not use on extensive surface areas in premises where there are occupants.
 - Don't use empty container before they have been cleaned.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Wash hands after use
 - Do not eat, drink or smoke when using this product.
- 7.2. Conditions for safe storage, including any incompatibilities
- store in a cool, well ventilated place, away from heat, flames, sparks or other sources of ignition
 - keep only in the original container away from sunlight neighborhoods
 - avoid contact with skin and eyes, inhalation of vapours/mists/dusts.
 - do not use empty containers before they are cleaned.
 - contaminated clothing must be replaced before entering the dining areas.
 - at work do not eat or drink.
 - do not smoke
 - avoid the accumulation of electrostatic charges.
 - Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)
- lubricant spray

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
- propane - CAS: 74-98-6
 - ACGIH - TWA: 1800 mg/m³, 1000 ppm
- DNEL Exposure Limit Values
- Hydrocarbons, C4 - CAS: 87741-01-3
 - Worker Professional: 2.21 mg/m³ - Consumer: 0.066 mg/m³ - Exposure: Human
 - Inhalation - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values
- N.A.
- 8.2. Exposure controls
- Eye protection:
- Eye glasses with side protection. EN 166
- Protection for skin:
- Wear work clothes with long sleeves and protective footwear for professional use of category II (ref. Directive 89/686 / CEE and norm EN ISO 20344). Wash with soap and water after removing protective clothing.
- Protection for hands:
- Protect hands with category II work gloves (ref. Directive 89/686 / EEC and standard EN 374).
 - Use PVC or nitrile rubber gloves.
- Respiratory protection:
- if the TLV thresholds are exceeded, use a mask with filter type A (against vapors of organic compounds) in accordance with EN 141.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

Thermal Hazards:

Do not expose to temperatures exceeding 50° c.

Environmental exposure controls:

emissions from production processes, including those from ventilation equipment should be inspected for the purposes of enforcement of environmental protection
do not dispose of the product in the environment

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Aerosol	--	--
Colour:	Colourless	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	Not Relevant	--	The product is aerosol
Boiling point or initial boiling point and boiling range:	<0°C	--	--
Flammability:	Flammable Gas	--	--
Lower and upper explosion limit:	Not Relevant	--	Not relevant for the characterization of the product
Flash point:	<0°C	--	--
Auto-ignition temperature:	>175°C	--	--
Decomposition temperature:	Not Relevant	--	Not relevant for the characterization of the product
pH:	Not Relevant	--	The product is insoluble in water
Kinematic viscosity:	Not Relevant	--	The product is aerosol
Solubility in water:	undissolvable	--	--
Solubility in oil:	complete	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	The product is insoluble in water
Vapour pressure:	6 bar (GPL)	--	--
Density and/or relative density:	0.86 +/- 0.05 kg/l	--	--
Relative vapour density:	>2	--	--

Particle characteristics:

Particle size:	Not Relevant	--	Not relevant for the characterization of the product
----------------	--------------	----	--

9.2. Other information

Properties	Value	Method:	Notes:
Explosive properties:	may form explosive vapor / air mixtures in places	--	--
Oxidizing properties:	non oxidant	--	--
Fat Solubility:	hydrocarbons	--	--

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - may form explosive vapor / air mixtures in places not well ventilated
- 10.4. Conditions to avoid
 - strong acids
 - heat, flames and sparks. exposure to light and humidity
 - avoid the accumulation of electrostatic charges.
- 10.5. Incompatible materials
 - acids, alkalis and alkaline metals
 - oxidizing agents
- 10.6. Hazardous decomposition products
 - the product is flammable, following combustion can lead to the formation of dangerous decomposition products
 - by thermal decomposition can rid COx

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

LUBRIFICANTE GRAFITE 200ML

- a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

- b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

- c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

- d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

- e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

- f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

- g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

- h) STOT-single exposure

The product is classified: STOT SE 3 H336

- i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

- j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

N.A.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

- 11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
LUBRIFICANTE GRAFITE 200ML
Not classified for environmental hazards
Based on available data, the classification criteria are not met
- 12.2. Persistence and degradability
None
LUBRIFICANTE GRAFITE 200ML
Biodegradability: Not persistent and Biodegradable
- 12.3. Bioaccumulative potential
LUBRIFICANTE GRAFITE 200ML
Bioaccumulation: Not bioaccumulative
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
- Additional disposal information:
contaminated packaging should be sent for recovery or disposal in compliance with national regulations on waste management
reuse if possible. Product residues are to be considered hazardous waste. disposal must be entrusted to authorised waste management, in compliance with national and, where appropriate, local.

SECTION 14: Transport information

- 14.1. UN number or ID number
ADR-UN number: 1950
IATA-Un number: 1950
IMDG-Un number: 1950
- 14.2. UN proper shipping name
ADR-Shipping Name: AEROSOL
IATA-Technical name: AEROSOL
IMDG-Technical name: AEROSOL
- 14.3. Transport hazard class(es)
ADR-Class: 2
IATA-Class: 2
IMDG-Class: 2
- 14.4. Packing group
ADR-Packing Group: N.A.
IATA-Packing group: N.A.
IMDG-Packing group: N.A.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

- 14.5. Environmental hazards
Marine pollutant: No
- 14.6. Special precautions for user
ADR-Transport category (Tunnel restriction code): D
IMDG-Technical name: AEROSOL
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)
- Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P3a
- 15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

- Text of phrases referred to under heading 3:
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H226 Flammable liquid and vapour.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Comp.)	2.5/C	Gases under pressure (Compressed gas)
Press Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients
 SECTION 8: Exposure controls/personal protection
 SECTION 14: Transport information
 SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	On basis of test data
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
 Commission of the European Communities
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
 Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ATE: Acute Toxicity Estimate
 ATEMix: Acute toxicity Estimate (Mixtures)
 CAS: Chemical Abstracts Service (division of the American Chemical Society).
 CLP: Classification, Labeling, Packaging.
 DNEL: Derived No Effect Level.
 EINECS: European Inventory of Existing Commercial Chemical Substances.
 GefStoffVO: Ordinance on Hazardous Substances, Germany.
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
 IATA: International Air Transport Association.
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
 ICAO: International Civil Aviation Organization.

Safety Data Sheet

LUBRIFICANTE GRAFITE 200ML

ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.