

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 1/8

PTFE High Tech Teflon Gun Grease

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

1.1 Product identifier

Trade name/designation:

PTFE High Tech Teflon Gun Grease

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

Use of the substance/mixture:

Cleaning, maintenance and preservation of firearms
General cleaning and lubrication of mechanical components

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LUPUS-Professional

Hochstraße 150

47877 Willich

GERMANY

Telephone: +49 (0) 21 54 - 81 25 93

Telefax: +49 (0) 21 54 - 81 25 94

E-mail: info@lupus-pro.de

Website: www.lupus-pro.de

E-mail (competent person): info@lupus-pro.de

1.4 Emergency phone number

+49 (0) 21 54 - 81 25 93 (Only available during office hours.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Supplemental hazard information	
EUH208	Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3 Other hazards

Adverse human health effects and symptoms:

Frequently or prolonged contact with skin may cause dermal irritation. May cause eye irritation.

Other adverse effects:

Special danger of slipping by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Grease based on mineral oil and lithium 12-hydroxystearate, thickener, Polytetrafluoroethylene (PTFE) (CAS No. 9002-84-0)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 2/8

PTFE High Tech Teflon Gun Grease

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

No special measures are necessary.

In case of skin contact:

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

After eye contact:

Do not subject to friction. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation. May cause an allergic skin reaction. May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Combustible substance. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (CO_x); metal oxides (Li, Zn); Pyrolysis products, toxic; Fluorine-compounds; Gases/vapours, toxic

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Collect contaminated fire extinguishing water separately. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers. 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

6.1.1 For non-emergency personnel

Personal precautions:

Avoid contact with eyes and skin. Special danger of slipping by leaking/spilling product. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2 For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2 Environmental precautions

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 3/8

PTFE High Tech Teflon Gun Grease

6.3 Methods and material for containment and cleaning up

For containment:

Wipe up with absorbent material (eg. cloth, fleece). Handling larger quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

For cleaning up:

Water with tenside additive

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special measures are necessary.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Apply skin care products after work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed. Store in a cool dry place. Keep away from heat. Protect from direct sunlight.

Requirements for storage rooms and vessels:

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

Hints on storage assembly:

Do not store together with: Oxidizing agent. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Recommendation:

Cleaning, maintenance and preservation of firearms

General cleaning and lubrication of mechanical components

SECTION 8: Exposure controls / Personal protection

8.1 Control Parameters

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2 Personal protection equipment



Eye/face protection:

Filling and transfer: Eye glasses with side protection (EN 166).

Skin protection:

Wear suitable gloves (EN ISO 374).

Suitable material: NBR (Nitrile rubber)

Material thickness: 0,38 mm

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 4/8

PTFE High Tech Teflon Gun Grease

Breakthrough time: 480 min

Breakthrough times and swelling properties of the material must be taken into consideration. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Usually no personal respirative protection necessary.

Other protection measures:

Wear suitable protective clothing.

8.2.3 Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: solid

Form: solid, pasty

Colour: brown

Odour: like Hydrocarbons

Flammability: Yes

Safety relevant basic data

Parameter	Value	at	① Method ② Remark
pH	<i>Not applicable.</i>		
Melting point	<i>No data available.</i>		
Freezing point	<i>No data available.</i>		
Initial boiling point and boiling range	<i>No data available.</i>		
Flash point	> 150 °C		
Evaporation rate	<i>No data available.</i>		
Vapour pressure	<i>No data available.</i>		
Vapour density	<i>Not applicable.</i>		
Density	< 1 g/cm ³	20 °C	
Bulk density	<i>Not applicable.</i>		
Water solubility	Immiscible		
Dynamic viscosity	<i>Not applicable.</i>		
Kinematic viscosity	<i>Not applicable.</i>		

Particle characteristics:

No data available.

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Combustible liquid.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Avoid high temperatures or direct sunlight.

10.5 Incompatible materials

Oxidizing agent, Acid

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 5/8

PTFE High Tech Teflon Gun Grease

10.6 Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: carbon oxides (COx); metal oxides (Li, Zn); Pyrolysis products, toxic; Fluorine-compounds; Gases/vapours, toxic

SECTION 11: Toxicological information

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

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.
Frequently or prolonged contact with skin may cause dermal irritation.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.
May cause eye irritation.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met. Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.

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.

11.2 Information on other hazards

Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meet the criteria.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

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

Additional ecotoxicological information:

No data available.

12.2 Persistence and degradability

Biodegradation:

In accordance with the required stability the product is poorly biodegradable.

12.3 Bioaccumulative potential

Accumulation / Evaluation:

No data available.

12.4 Mobility in soil

No data available.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 6/8

PTFE High Tech Teflon Gun Grease

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal

Waste codes/waste designations according to EWC

Waste code product

12 01 12 *	spent waxes and fats
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

Other disposal recommendations:

The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Do not allow to enter into surface water or drains. Collect in closed and suitable containers for disposal. Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN number or ID number			
UN 0000	UN 0000	UN 0000	UN 0000
14.2 UN proper shipping name			
Not restricted	Not restricted	Not restricted	Not restricted
14.3 Transport hazard class(es)			
No data available.	No data available.	No data available.	No data available.
14.4 Packing group			
		-	
14.5 Environmental hazards			
not determined	not determined	not determined	not determined
14.6 Special precautions for user			
No data available.	No data available.	No data available.	No data available.

14.7 Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

15.1.1 EU legislation

Authorisations:

Contains no substances listed in REACH Annex XIV.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 7/8

PTFE High Tech Teflon Gun Grease

Restrictions on use:

Contains no substances subject to the restrictions of Annex XVII of the REACH Regulation.

Other regulations (EU):

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

The product does not contain substances of very high concern (SVHC) $\geq 0,1$ %.
VOC content: 0,0 %.

15.1.2 National regulations

No data available.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

16.1 Indication of changes

Changes executed in version 1.4:

Section 2: Label elements

Section 3: Composition/Information on Ingredients

Section 11: Toxicological Information

Section 12: Ecological Information (non-mandatory)

Section 15: Regulatory Information (non-mandatory)

Section 16: Abbreviations and acronyms

General revision

16.2 Abbreviations and acronyms

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

ATE = acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC₅₀ = Median effective concentration

ECB = European Chemicals Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IC₅₀ = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform Chemical Information Database

LC₅₀ = Lethal concentration, 50%

LD₅₀ = Median lethal dose

LC0 = lethal concentration, 0%

LOAEL = lowest-observed-adverse-effect level

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Content

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Content

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Dec 2024

Print date: 6 Dec 2024

Version: 1.4



Page 8/8

PTFE High Tech Teflon Gun Grease

TLV®/TWA = Threshold limit value - time-weighted average
TLV®STEL = Threshold limit value - short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): <https://www.echa.europa.eu>
ECHA, C&L Inventory: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database>
ECHA, Registered substances: <https://echa.europa.eu/information-on-chemicals/registered-substances>
GESTIS, Information system on hazardous substances: <https://www.gestis.dguv.de/search>
GESTIS, International Limit Values: <https://limitvalue.ifa.dguv.de>
Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz
Safety data sheets of the manufacturers

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5 List of relevant hazard statements and/or precautionary statements from sections 2 to 15

No data available.

16.6 Training advice

No data available.

16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.