

**SECTION 1: IDENTIFICATIONS OF THE SUBSTANCE/MIXTURE AND OF THE  
COMPANY/UNDERTAKING**

- 1.1. Product identifier** **PTFE Grease Pro Tech Guns**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:**  
**Identified uses:** lubrication of moving parts of ASG replicas and firearms  
**Uses advised against:** Not recommended to use other than indicated above
- 1.3. Details of the MSDS provider:**  
**Manufacturer** Target Michał Szymankiewicz  
ul. Radzyńska 68/72/24  
03-752 Warsaw, Poland  
Ph. +48 609784826  
E-mail of the person responsible for the safety data sheet: biuro@chemikos.pl
- 1.4. Emergency phone number ( in Poland only ) : 112 ( general emergency phone ), 998 ( fire brigade ), 999 ( ambulance service ) ; in the other country - local/national emergency phone**

**SECTION 2: HAZARD IDENTIFICATION****2.1. Classification of the substance or mixture**Classification of mixture**Eye Irrit. 2, H319; Aquatic Chronic 3, H412**Physical/chemical hazards:

None if was use like indicated above

Human health hazards

Causes serious eye irritation

Environmental hazards

Harmful to aquatic life with long-lasting effects

**2.2. Marking elements:**Package marking contains:**Pictograms:****Signal word: Danger**

**H**                    **Relevant risk phrases:**  
**H319**               Causes serious eye irritation  
**H412**               Harmful to aquatic life with long-lasting effects

**P**                    **Precautionary statements:**  
**P273**               Avoid release to the environment.  
**P280**               Do Wear protective gloves/protective clothing/eye protection/face protection.  
**P305+351+338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
**P501**               Dispose of contents/containers to an approved waste disposal plant

### 2.3. Other hazards:

None.

The product does not contain substances with properties of PBT or PvB above 0.1%.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

Not applicable.

### 3.2. Mixtures:

> 90,0% Distillates (petroleum), hydrotreated heavy paraffinic  
Index No.: 649-467-00-8      CAS No:64742-54-7      WE No: 265-157-1  
No REACH: 01-2119484627-25-XXXX  
Not classified as hazardous ( Danger L )  
< 2,5% Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts  
Index No.: -                    CAS No:68649-42-3      WE No: 272-028-3  
No REACH: 01-2119948548-22-0002  
Skin Irrit. 2, H315, Eye Dam.1, H318, Aquatic Chronic 2, H411  
< 2% Vegetable – oil fatty acids, methyl esters, sulfurized  
Index No.: -                    CAS No:72102-30-8      WE No: 276-337-4  
Aquatic Chronic 2, H411  
< 0,3% Methyl-1*H*-benzotriazole  
Index No.: -                    CAS No:29385-43-1      WE No: 249-596-6  
Acute Tox 4, H302, Aquatic Chronic 3, H412  
< 0,2% 2,5-bis(tertdodecyldithio)-1.2.3 thiadiazole  
Index No.: -                    CAS: -                    WE No: 249-596-6  
Aquatic Chronic 3, H412

The hazard statements as well as the H phrases referred to in section 3 of this MSDS and their full wording is provided in section 16 hereof. The H phrases refer to the mixture components.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Respiratory exposure:**

At normal use temperature the vapour of product is not hazard; in the event of breathing difficulties, remove the victim to fresh air, in the absence of rapid improvement, seek medical advice.

**If on skin:**

In case of skin contact, wipe with towel product and immediately wash with plenty of soap and water; if skin irritation occurs, seek medical advice.

**If in the eyes:**

Flush with plenty of water for 15 minutes, remove contact lenses, seek medical attention, remove contact lenses; an ophthalmologist should be consulted.

Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway  
Call to a doctor; show the product packaging or safety data sheet.

**4.2. The most important acute and delayed symptoms and effects of exposure:**

contact with skin - it may cause skin irritation; contact with eye: it may cause eye irritation

**4.3. Indications for any immediate medical attention and special proceeding with the victim:**

Do not induce vomiting; never give anything by mouth to an unconscious person; decision about the rescue procedure is made by a doctor after thorough evaluation of the victim condition.

**SECTION 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media:**

Water - water spray, alcohol-resistant foam, carbon dioxide, dry chemical.

**Unsuitable extinguishing agents:**

Do not use jets of water.

**5.2. Special hazards arising from the substance or mixture:**

Carbon oxides (CO, CO<sub>2</sub>) or other toxic vapours can occur as a result of combustion. Do not inhale the vapours, protect the respiratory system. Cool tanks exposed to fire or high temperature with water from a safe distance.

**5.3. Information for fire-fighters:**

Put on gas-tight protective clothing and breathing apparatus (breathing apparatus complete with mask)., SCBA. Remove all bystanders not participating in action from the danger zone. Do not allow product to reach sewage system or any water course.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1. Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: notify the appropriate services. Remove all bystanders not participating in action from the danger zone. For emergency responders: Ensure adequate ventilation, use personal protective equipment: gloves and other protective clothing, eye / face protection. Eliminate any ignition sources.

**6.2. Environmental precautions:**

Do not allow product to reach sewage system or any water course. Notify the State Fire Brigade, and where necessary, the State Police, the closest local authorities and the nearest Chemical Rescue Unit.

**6.3. Methods and material for containment and cleaning up:**

Secure the damaged packaging. Don't smoke. Eliminate the sources of fire. Keep away from sources of heat, hot surfaces, sparks, open flame or other ignition sources. Secure damaged containers.

**6.4. References to other sections:**

Waste management – see section 13 hereof

Personal Protection Equipment – see section 8 hereof

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**SECTION 7: HANDLING AND STORAGE**

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**7.1. Precautions for safe handling:**

Use in a well ventilated areas. Avoid sources of ignition, heat, hot surfaces and open flames. Avoid inhaling product vapors. Observe health and safety rules: do not eat, drink and smoke in the workplace, wash hands after use.

**7.2. Conditions for safe storage, including any incompatibility:**

Store in a well-ventilated and cool place. Keep away from children. Professional use: store in a well-ventilated place in accordance with applicable safety and fire protection regulations. Always store in original containers. Do not use polyvinyl chloride packaging. Do not use contaminated, empty packaging for other purposes. Do not store together with food, beverages and animal feeds. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.

**7.3 Specific end uses:**

Look at part 1.2 of MSDS

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### 8.1. Control parameters:

Regulation of the Minister of Labour and Social Policy of June 7, 2017 on the maximum acceptable concentrations and intensities of the factors hazardous for environmental at the workplace. (Journal of Laws item 1348)

Ingredients to which exposure limits apply:

Substance name	NDS mg/m <sup>3</sup>	NDSCh mg/m <sup>3</sup>	NDSP mg/m <sup>3</sup>
mineral oils with the exception of machining fluids - inhalable fraction	5	-	-

#### Base oil unspecified

DNEL - derived no-effect level – worker: (inhalation, chronic toxicity) : 5,4 mg/m<sup>3</sup>/8h ( for aerosol )

DNEL - derived no-effect level – user (inhalation, chronic toxicity) : 1,2 mg/m<sup>3</sup>/24h ( for aerosol )

PNEC - predicted no-effect concentration - water, sediment, soil - not applicable

PNEC – predicted no-effect concentration ( orally, mammals ) : 9,33 mg/kg ( food )

Determination in workplace air:

PN-Z-04008-7:2002 Protection of air cleanliness. Sampling. Principles of air sampling in work environment and interpretation of results

PN-EN-689:2002 Workplace atmospheres. Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.

PN-EN-482:2002 Workplace atmospheres. General requirements for procedures for measuring chemical factors.

### 8.2. Exposure controls

#### Suitable technical control measures

Use a non-volatile product in ventilated rooms. Non-volatile product.

#### Individual measures, such as personal protective equipment:

##### Eye or face protection:

Avoid contact with eyes; wear protective goggles while handling the product when the risk of exposure occurs

##### Skin protection

###### Hand protection

While in professional use, assuming repeated or prolonged exposure, use hand protection adequate to the work conditions; Oil-resistant protective shoes, non-slip.

###### Others:

Wear protective clothing - clean regularly.

##### Respiratory protection

Avoid inhaling vapors. When the concentration of the substance is determined and known, the choice of personal protection measures should be made taking into account the concentrations of substances occurring at the workplace, time of exposure, the activities performed by the employee and the instructions given by the manufacturer of the personal protective equipment.

Thermal hazards:

Not applicable.

Environmental exposure controls

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

a) Appearance:	paste beige colour
b) Odour:	typical
c) Odour threshold:	no data
d) pH:	not applicable
e) Melting point:	>200 °C
f) Boiling point:	no data
g) Flash point:	> 250°C ( mineral oil )
h) Evaporation rate:	no data
i) Flammability (solid, gas):	no data
j) Lower /higher explosion limit:	no data
k) Vapor pressure:	no data
l) Relative vapor density:	no data
m) Density:	0,9 kg/dm <sup>3</sup>
n) Solubility in water:	insoluble in water, soluble only in organic solvent
o) Partition coefficient n-octanol/water: logPow	> 6
p) Auto-ignition point:	>300°C
r). Decomposition temperature:	no data
s) Explosive properties:	not applicable
t) Oxidising properties:	not applicable

**9.2. Other information**

No data

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No reactivity under appropriate conditions of storage and use.

**10.2. Chemical stability**

Stable under appropriate conditions of storage and use.

**10.3. Possibility of hazardous reactions:**

Not expected.

**10.4. Conditions to avoid**

High temperature, sources of spark and open fire.

**10.5. Incompatible materials:**

Oxidising agents.

**10.6. Hazardous decomposition products:**

Carbon monoxide; look at 5.2 part of MSDS

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****a) acute toxicity:**

Based on available data the classification criteria are not met.

**Mixture**

Orally: ATEmix >2000 mg/kg

**Base oil**

LD<sub>50</sub> (orally, rat ) > 5000 mg/kg

LC<sub>50</sub> (inhalation, rat ) > 0,5,53 mg/dm<sup>3</sup>/

LC<sub>50</sub> (skin, rabbit)> 5000 mg/kg

**b) corrosive/irritant effect on skin:**

based on available data the classification criteria are not met.

**c) corrosive effect on eyes:**

causes eyes irritation

**d) sensitising effect on respiratory tract or skin:**

based on available data the classification criteria are not met.

**e) mutagenicity:**

based on available data the classification criteria are not met.

**f) carcinogenicity:**

based on available data the classification criteria are not met.

**g) reproductive toxicity:**

based on available data the classification criteria are not met

**h) singled dose toxicity:**

based on available data the classification criteria are not met

**i) repeated dose toxicity:**

based on available data the classification criteria are not met

**SECTION 12: ECOLOGICAL INFORMATION****Environmental hazards:**

Toxic to aquatic life with long-lasting effects. Do not allow the product to enter and spread in soil, sewerage, groundwater and watercourses.

**12.1. Toxicity:**

No data for mixture.

Base oil unspecified

EC<sub>50</sub>: >10000 mg/l/48 h : Toxicity to Daphnia: specie Daphnia Magna

NOEL: 100 mg/l : Toxicity to Daphnia: specie Daphnia Magna /21 days

EC<sub>50</sub>: >100 mg/l/72h Toxicity to algae

LC<sub>50</sub>: >100 mg/l/96h Toxicity to fish Pimephales promelas

NOEL: >1000 mg/l Toxity to fish, Oncorhynchus mykiss, QSAR/28 days

**12.2. Persistence and degradability:**

No data for mixture.

**12.3. Bioaccumulation potential:**

No data for mixture.

**12.4 Mobility in soil:**

Insoluble in water

**12.5. Results of PBT and vPvB assessment:**

The product does not contain substances with properties of PBT or PvB above 0.1%

**12.6. Other harmful effects:**

Insoluble in water

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Methods of disposing waste**

The waste and disposable packaging should be disposed of by specialised contractors, and the disposal method should be consulted with the local environmental protection department. Store the residue in original containers. Dispose of according to the applicable regulations.

Empty containers should be disposed of in accordance with applicable regulations or provided to a suitable landfill. Regulation of the Minister of the Environment of 14 December 2012 on waste catalogue (Journal of Laws no.1987).

**SECTION 14: TRANSPORT INFORMATION****14.1. UN nuber (ONZ number)**

not applicable

**14.2. Proper UN transport name**

ADR/RID:

not applicable



IMDG: not applicable

IATA: not applicable

**14.3. Transport hazard class(es):**

ADR/RID: not applicable

IMDG/IATA: not applicable

transport labels: not applicable

**14.4. Packaging group:** not applicable**14.5. Environmental hazards** no**14.6. Special precautions for user** No data.**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicabke

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:**

1. Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC ( OJ L 396, 30.12.2006 p.1 )
2. Commission Regulation (EU) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Act of 25 February 2011 on chemical substances and mixtures (Journal of Laws , 2015, item 1203 as amended )
4. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 ( OJ L 35, 31.12.2008 p.1 )
5. The act of 14 December 2012, on waste (Journal of Laws 2016, item 1987 as amended )
6. Regulation of the Minister of the Environment of 27 September 2001 on waste catalogue (Journal of Laws 2017, item 519 as amended )
7. Statement of the Minister of the Family, Labour and Social Policy of 7 June 2017 - unified text of the Regulation of the Minister of Labour and Social Policy on the maximum acceptable concentrations and intensities of the factors hazardous for health at the workplace (Journal of Laws 2017, item 1348).
8. Regulation of the Minister of Health of 2 February 2011 ( Journal of Laws, 2011, no 33, item 166 as amended )

**15.2 Chemical safety assessment:**

No chemical safety assessment for the substances contained in the mixture and for the mixture alone.

**SECTION 16: OTHER INFORMATION**

All the information is based on our current knowledge. This MSDS has been developed based on the data sheet and information received from the manufacturer. The consumers must take into account existing laws and other regulations.

Material Safety Data Sheet is accordanced with Regulation (EC ) no 830/2015 of 28 My 2015 as amended

Product classification: based on product form. Propellant for airsoft guns (ASG). Not recommended to use other than indicated above.

Prior to starting work with the product, the employees concerned must undergo mandatory health and safety training, due to the presence of chemical factors in the workplace. Perform, document and familiarise staff with the results of risk assessment in the workplace associated with the presence of chemical agents.

**H pharses:**

**H319** Causes serious eye irritation

**H412** Harmful to aquatic life with long-lasting effects

**Description of abbreviations, acronyms and symbols used:**

No CAS -	Chemical Abstracts Service
No WE -	a unique seven-digit identifier that was assigned to substances for gerulatory purposes within the European Union by the European Commission: EINECS: European Inventory of Existing Commercial Chemical Substances; ELINCS: European List of Notified Chemical Substances; NLP: No Longer Polymers
No UN -	number of identify hazardous materials
EC <sub>50</sub> -	50% of maximal Effective Concentration
LC <sub>50</sub> -	lethal concentration to 50 % of a test population
LD <sub>50</sub> -	lethal dose to 50% of a test population (Median Lethal Dose)
NDS -	occupational exposure limit
NDSch -	maximum peak exposure limit
NDSP -	ceiling exposure limit
vPvB -	very persistent and very bioaccumulative
PBT -	persistent, bioaccumulative and toxic
Aquatic Chronic 3 -	hazardous to the aquatic environment 2
Repr. 2 -	reproductive toxicity category 2
Eye Irrit 2 -	irritating effect on eye category 2
STOT RE 2 -	specific target organ toxicity - repeated exposure 2
STOT SE 3 -	specific target organ toxicity-single exposure 3
DNEL –	derived no-effect level
PNEC –	predicted no-effect concentration