

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

1.1. Product identifier

Suppressor Cleaner
UFI: 4H00-Y0U2-C009-SNM9

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

Identified uses: cleaner agent for suppressors
Uses advised against: none

1.3. Details of the supplier of the safety data sheet

Producer:

Heracles Piotr Opaliński
ul. Orańska 35 lok-U4
81-533 Gdynia, Polska
Tel. (+48) 501049759

E-mail address of the person responsible for data sheet: piotr@wellgun.shop

1.4. Emergency telephone

112 (general emergency telephone number), 998 (fire-brigade), 999 (ambulance);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acc. to 1272/2008

Skin Sens. 1; H317

Human health dangers:

May cause an allergic skin reaction.

Environmental hazards:

None.

Physic-chemical hazards:

None.

2.2. Label elements

Contains: Sodium mercaptoacetate

Pictograms:



Signal Word: Warning

Hazard Statement:

H317 May cause an allergic skin reaction.

Precautionary Statement:

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to appropriately marked waste containers in accordance with local regulations.

Acc. to Reg. 648/2004:

Contains: <5% anionic surfactants

2.3. Other hazards

Annex XIII - Criteria for the identification of Persistent, Bioaccumulative and Toxic substances (BBT), and very Persistent and very Bioaccumulative substances (vPvB):

The mixture has no substances meeting the criteria as PBT or vPvB.

Substances with endocrine disrupting properties (in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605):

The mixture has no substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous ingredients:

Substance name	contains %	Hazard Class and Category Code(s)	Hazard Statement Code(s) Suppl. Hazard statement Code(s)	- Specific Conc. Limits, - M-factors - ATEs
Sodium mercaptoacetate [Mercaptoacetic acid monosodium salt] CAS: 367-51-1 EC: 206-696-4 Index No.: - REACH No.: 01-2119968564-24-XXXX	4,5 - <7	Met. Corr. 1 Acute Tox. 3 Acute Tox. 4 Skin Sens. 1	H290 H301 H312 H317	-
Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS: 68891-38-3 EC: 500-234-8 Index No.: - REACH No.: 01-2119488639-16-XXXX	1 – 2,5	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 3	H315 H318 H412	Eye Dam. 1; H318: C ≥ 10% Eye Irrit. 2; H319 C: ≥5 - <10%

Full text of H-phrases in Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

Ingestion:

Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Obtain medical attention.

Eye contact:

Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. Get medical advice.

Skin contact:

Take off contaminated clothing. Wash contaminated skin with water and a mild detergent, rinse thoroughly with water. If any disturbing symptoms occur, consult a doctor.

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

No information available.

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: foam, dry powder extinguishers, CO2. Use appropriate extinguishing method for conditions.

Unsuitable extinguishing media: Do not use a direct water jet.

5.2. Special hazards arising from the substance or mixture

During the fire, can be released toxic decomposition products: carbon oxides.

5.3. Advice for firefighters

The containers in fire area cool with water spray, if it is possible remove them from the danger zone.

Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Notify the appropriate service. Reduce access to the area of failure until the relevant cleaning operations have been completed.

Avoid contact with the released product.

For emergency responders:

Ensure adequate ventilation. Use personal protective equipment (according to section 8).

6.2. Environmental precautions

Do not allow this product to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Prevent leakage and absorb with inert, absorbent material (such as sand, earth, vermiculite, diatomaceous earth, etc.).

The contaminated material should be placed in properly labelled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections

Refer to protective measures listed in section 8.

Refer to disposal considerations listed in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation.

Avoid contact with the eyes and skin.

Avoid breathing vapours

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place.

Keep container tightly closed.

Store in a cool, dry place.

Keep only in original packaging.

Protect from sunlight and other source of ignition.

Do not store together with foodstuffs and feed.

7.3. Specific end use(s)

See section 1.2. - no additional recommendations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values: none.

Sodium mercaptoacetate

DNEL industrial, inhalation, long-term, systemic: 1,41 mg/m³
DNEL industrial, dermal, long-term, systemic: 2,06 mg/kg
DNEL industrial, dermal, long-term, local: 0,004 mg/m²
DNEL general population, inhalation, long-term, systemic: 0,348 mg/m³
DNEL general population, dermal, long-term, local: 0,004 mg/m²
DNEL general population, oral, long-term, systemic: 0,002 mg/kg
PNEC fresh water: 38 µg/l
PNEC marine water: 38 µg/l
PNEC STP: 3,2 mg/l

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

DNEL industrial, inhalation, long-term, systemic: 175 mg/m³
DNEL industrial, dermal, long-term, systemic: 2750 mg/kg
DNEL general population, inhalation, long-term, systemic: 52 mg/m³
DNEL general population, dermal, long-term, systemic: 1650 mg/kg
DNEL general population, oral, long-term, systemic: 15 mg/kg
PNEC fresh water: 0,24 mg/l
PNEC marine water: 0,024 mg/l
PNEC sediment fresh water: 0,9168 mg/kg
PNEC STP: 10000 mg/l
PNEC soil: 7,5 mg/kg

8.2. Exposure controls

Engineering controls:

General ventilation is recommended.

Observe occupational health and safety.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash it before reuse.

Individual protection measures, such as personal protective equipment:

Personal protective equipment should be selected according to the hazards present at the workplace, taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and in accordance with the relevant CEN standards.

Eye protection:

Safety goggles (EN ISO 16321-1:2022-10). Ensure access to an eye wash bottle with clean water or an eye wash station near the workstation.

Skin protection:

Hands:

Appropriate chemical resistant gloves (EN 374)

Recommended material: nitrile rubber

Thickness: no data available

Time of penetration: no data available

The selection of suitable gloves does not only depend on the material, but also on the brand and quality resulting from differences in manufacturers. Resistance of the material, the glove can be determined after the tests. The exact time of the destruction of the protective gloves must be determined by the manufacturer.

Other:

Wear working clothing.

The type of protective equipment must be selected according to the concentration and amount of the hazardous substance in the specific work environment.

Respiratory Protection:

It is not required for normal use.

Thermal hazards:

Not applicable.

Environmental exposure controls:

Prevent the spread in the environment and enter drains and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

	Physical state	Liquid
	Colour	No data available
	Odour	No data available
	Melting point/freezing point (Does not apply to gases)	No data available
	Boiling point or initial boiling point and boiling range	No data available
	Flammability (Applies to gases, liquids and solids)	No data available
	Lower and upper explosion limit (Do not apply to solids)	No data available
	Flash point (Does not apply to gases, aerosols and solids)	No data available
	Auto-ignition temperature (Only applies to gases and liquids)	No data available
	Decomposition temperature (Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose)	Not applicable
	pH (Does not apply to gases)	No data available
	Kinematic viscosity (Only applies to liquids)	No data available
	Solubility	No data available
	Partition coefficient n-octanol/water (log value)	Not applicable – mixture
	Vapour pressure	No data available
	Density and/or relative density (Only apply to liquids and solids)	No data available
	Relative vapour density (Only applies to gases and liquids)	No data available
	Particle characteristics (Only apply to solids)	Not applicable

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not reactive.

10.2. Chemical stability

The mixture is stable under normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

No hazardous reactions under normal conditions of use and storage.

10.4. Conditions to avoid

Keep away from heat, open flames and sunlight. Protect from frost.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No decomposition under recommended conditions of use and storage.

Thermal decomposition products - see section 5.

SECTION 11: Toxicological information

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

	Acute toxicity	Based on the available data, the classification criteria are not met
	Skin corrosion/irritation	Based on the available data, the classification criteria are not met
	Serious eye damage/irritation	Based on the available data, the classification criteria are not met
	Respiratory or skin sensitization	May cause an allergic skin reaction.
	Germ cell mutagenicity	Based on the available data, the classification criteria are not met
	Carcinogenicity	Based on the available data, the classification criteria are not met
	Reproductive toxicity	Based on the available data, the classification criteria are not met
	STOT-single exposure	Based on the available data, the classification criteria are not met
	STOT-repeated exposure	Based on the available data, the classification criteria are not met
	Aspiration hazard	Based on the available data, the classification criteria are not met

Sodium mercaptoacetate 46%

ATE oral: 350 mg/kg

ATE dermal: >2000 mg/kg

LD50 (oral, rat): 200 – 500 mg/kg (OECD 423 Acute Oral Toxicity – Acute Toxicity Test Method)

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

LD50 (oral, rat): > 5000 mg/kg (OECD 401)

LD50 (dermal, rat): >2000 mg/kg (OECD 402)

Information on likely routes of exposure

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

Interactive effects

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

None.

Other information

None.

SECTION 12: Ecological information

12.1. Toxicity

The mixture is not classified as hazardous to the environment.
Prevent the spread in the environment and enter drains and watercourses.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

LC50 fish (Leuciscus idus): >10 - 100 mg/l (OECD 203)
EC50 crustaceans (Daphnia magna): >10 - 100 mg/l (OECD 202)
EC50 algae (Scenedesmus subspicatus): >10 - 100 mg/l (OECD 201)
EC0 microorganisms (Pseudomonas Putidia): > 100 mg/l (DIN 38412)
NOEC fish (Leuciscus idus): 1 – 10 mg/l
NOEC crustaceans (Daphnia magna): 0,1 – 1 mg/l

12.2. Persistence and degradability

For the mixture: no information available

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Biodegradation: Easily biodegradable.

The surfactants contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) 648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

12.3. Bioaccumulative potential

For the mixture: no information available

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Bioaccumulative potential is not expected.

12.4. Mobility in soil

For the mixture: no information available

12.5. Results of PBT and vPvB assessment

The mixture has no substances that meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

The mixture has no substances with endocrine disrupting properties.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product: Dispose of in accordance with local regulations. Store in original containers. Waste code should be given at the place of manufacture.

Recommendations for used packaging: Recycle / dispose of packaging waste in accordance with applicable regulations.
Only fully emptied packaging can be recycled.

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

SECTION 14: Transport information

ADR/RID/IMDG/ICAO:

14.1. UN number

Not applicable – the product is not classified as dangerous goods for transport

14.2. UN proper shipping name

Not applicable – the product is not classified as dangerous goods for transport

14.3. Transport hazard class(es)

Not applicable – the product is not classified as dangerous goods for transport

14.4. Packing group

Not applicable – the product is not classified as dangerous goods for transport

14.5. Environmental hazards

Not applicable – the product is not classified as dangerous goods for transport

14.6. Special precautions for user

Not applicable – the product is not classified as dangerous goods for transport

14.7. Maritime transport in bulk according to IMO instruments

Not applicable – the product is not classified as dangerous goods for transport

SECTION 15: Regulatory information

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

EU REGULATIONS:

1. Regulation (EC) No 1907/2006 of the European Parliament and of 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 as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. 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 as amended.
4. Regulation (EU) 2016/425 of The European Parliament and of The Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC

10. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives as amended
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended

The Seveso III Directive

Directive 2012/18/EU Of The European Parliament And Of The Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

Not applicable

Biocidal products

Regulation (EU) No 528/2012 Of The European Parliament And Of The Council of 22 May 2012 concerning the making available on the market and use of biocidal products:

Not applicable

Explosives precursors

Regulation (EU) 2019/1148 Of The European Parliament And Of The Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not applicable

Drug precursors

Regulation (EC) No 273/2004 of The European Parliament And Of The Council of 11 February 2004 on drug precursors

Not applicable

Detergents

Regulation (EC) No 648/2004 of The European Parliament And Of The Council of 31 March 2004 on detergents

The product meets the requirements of the regulation as a detergent. Labelling in accordance with Article 11 of Regulation 648/2004 as amended.

- List of substances subject to authorization (REACH; Annex XIV): Not applicable

- Candidate list of SVHCs: Not applicable

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII): Not applicable

15.2. Chemical safety assessment

No chemical safety assessments for the mixture.

SECTION 16: Other information

Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:

H290 – May be corrosive to metals.

H301 – Toxic if swallowed.

H312 – Harmful in contact with skin.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation

H412 – Harmful to aquatic life with long lasting effects.

Met. Corr. 1 – Substance or mixture corrosive to metals cat. 1

Acute Tox. 3 – Acute toxicity cat. 3

Acute Tox. 4 – Acute toxicity cat. 4

Skin Irrit. 2 – Skin irritation cat. 2

Eye Dam. 1 – Serious eye damage cat. 1

Eye Irrit. 2 – Eye irritation cat. 2

Skin Sens. 1 – Skin sensitization cat. 1

Aquatic Chronic 3 – Hazardous to the aquatic environment cat. 3

DNEL – derived no-effect level
PNEC – predicted no effect concentration
ATE – Acute Toxicity Estimate
LD50 – lethal dose, 50%
LC50 – lethal concentration, 50%
EC50 – effective concentration, 50%
NOEC – no observed effects concentration
PBT – Persistent, Bioaccumulative and Toxic
vPvB – very Persistent and very Bioaccumulative
ADR – International Carriage of Dangerous Goods by Road
RID – International Carriage of Dangerous Goods by Rail
IMDG – International Maritime Dangerous Goods
ICAO – Safe Transport of Dangerous Goods by Air

Classification procedure:

Skin Sens. 1; H317	Based on the content of the ingredients (calculation method)
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Training:

Before working with the product is recommended safety training of employees in connection with the occurrence of workplace chemicals. Documentation should be prepared and employees should be familiarized with the results of risk assessment in the workplace associated with the presence of chemical agents.

RESOURCES

Annex to Regulation (EU) 2020/878.
Current legislation (Section 15).
Information Agency for Chemical Substances.