SAFETY DATA SHEET

according to Regulation (EU) 2020/878 of 18 June 2020

Outside Restorer

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

1.1. Product identifier

Product name: **Outside Restorer**

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

Identified uses: gun cleaner

Uses advised against: undefined

1.3. Details of the supplier of the safety data sheet

Distributor:
Heracles Piotr Opaliński
ul. Orańska 35 lok. U-4
81-533 Gdynia, Poland
Tel. +48 501049759

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Irrit. 2
H319 Causes serious eye irritation.
Aquatic Chronic 3
H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008

Signal word **WARNING**

Pictograms

Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

General
P102 Keep out of reach of children.
Prevention
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Storage

None

Removal

P501 Dispose of contents/container to properly labeled waste containers in accordance with local regulations.

Supplemental information

EUH208 Contains d-limonene, linalool. May produce an allergic reaction.

Labelling for contents according to Regulation (EC) No 648/2004:

Non-ionic surfactants < 5 %

Perfumes (LIMONENE, LINALOOL, HEXYL CINNAMAL)

2.3. Other hazards

Results of PBT and vPvB assessment - No data

Endocrine disrupting properties - No data

SECTION 3: Composition/information on ingredients

3.1. Substances
3.2. Mixtures

Name of substance	Identifier	Classification 1272/2008		% weight
Alcohols, C9-11, ethoxylated	Index: -- CAS: 68439-46-3 EC: -- Reg. no. REACH: --	Acute Tox. 4 Eye Dam. 1	H302 H318	≤ 1
Ethanol [1] [2]	Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Reg. no. REACH: 01-2119457610-43-XXXX	Flam. Liq. 2 Eye Irrit. 2	H225 H319	< 0.5
d-limonene [(R)-p-mentha-1,8-diene]	Index: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 Reg. no. REACH: 01-2119529223-47-XXXX	Flam. Liq. 3 Asp. Tox. 1 Skin Irrit. 2 Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic 1	H226 H304 H315 H317 H400 H410	< 0.3
Linalool [3,7-dimethyl-1,6-octadien-3-ol]	Index: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4 Reg. no. REACH: 01-2119474016-42-XXXX	Skin Irrit. 2 Skin Sens. 1B Eye Irrit. 2	H315 H317 H319	< 0.2

Notes

The full meaning of the risk phrases H included in the chapter 16

[1] Specific concentration limits
Ethanol: Eye Irrit. 2; : C ≥ 50 %

[2] Substances for which there are national occupational exposure limit values
[3] Substances for which there are Union workplace exposure limits
[4] SVHC: substances included in the list established in accordance with Article 59 (1)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air and keep comfortable for breathing.
Ensure warmth and calm.
Provide medical assistance if necessary.
Ingestion
Do not induce vomiting.
Rinse mouth.
If unconscious – do not give the person anything to swallow.
Provide medical assistance if necessary. Transport the injured person to a hospital if necessary.
Eye contact
Remove contact lenses.
Rinse contaminated eyes with lukewarm water for 10-15 minutes.
Avoid strong water stream due to the risk of mechanical damage to the cornea.
Provide medical assistance if necessary.
Skin contact
Remove contaminated clothing.
Clean contaminated skin, wash with plenty of water, then wash with water and mild soap.
If skin irritation persists, consult a doctor.

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

No data available

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

Symptomatic treatment.
First aid supplies should be available on the workplace premises.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Fire-fighting foam, carbon dioxide CO_2, fire-extinguisher powders, dispersed water
Unsuitable extinguishing media
Do not direct dense jets of water onto the surface of a burning product.

5.2. Special hazards arising from the substance or mixture

Combustion products
Toxic thermal decomposition products, as well as carbon monoxide and carbon dioxide (COx) may be generated during combustion.
Explosive mixtures
Not applicable

5.3. Advice for firefighters

Use standard firefighting methods for extinguishing chemical fires.
Use water to cool containers exposed to high temperatures, and if possible, remove them from the area affected.
Use water spray jets to disperse vapours.
Fire-fighter protective equipment
Full personal protective equipment.
Self-contained breathing equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with eyes and skin. Wear appropriate protective equipment. Remove all sources of ignition. Keep all persons not equipped with personal protection equipment away.
In case of a discharge of a significant volume of the mixture, warn its users and order all bystanders to leave the contaminated area.

6.2. Environmental precautions

Prevent environmental contamination.
Protect drains.
In case of serious contamination of soil, watercourse or sewage system, notify the appropriate authorities.

6.3. Methods and material for containment and cleaning up

Secure any damaged packaging.
Ventilate the area affected and avoid inhaling vapours.
Collect with absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite).
Place all contaminated mass collected in a substitute container and send it for disposal in accordance with the local regulations.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Recommendations for handling the mixture

Provide adequate ventilation.
Avoid contact with eyes and skin.
Avoid inhaling product vapours/spray.

General industrial health and safety regulations

Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Replace contaminated clothing.
Wash contaminated clothing before reusing.

7.2. Conditions for safe storage, including any incompatibilities

Storage rooms must be ventilated.
Keep container tightly closed.
Store in a dry and cool place.
Keep only in the original container.
Keep away from sunlight, as well as heat and ignition sources.
Do not store together with foodstuffs and animal feed.
Do not handle until all safety precautions have been read and understood.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

Name of the chemical agent	CAS	Limit values				Comments
		Long-term		Short-term		
		ppm	mg/m^3	ppm	mg/m^3	
Ethanol	64-17-5	1000	1920	--	--	--

DNEL

Ethanol (CAS: 64-17-5)

Workers, long-term exposure, systemic effects, skin: 343 mg/kg bw
Workers, long-term exposure, systemic effects, inhalation: 950 mg/m^3
Workers, short-term exposure, systemic effects, skin: 1900 mg/kg bw
Consumers, long-term exposure, systemic effects, skin: 206 mg/kg bw
Consumers, long-term exposure, systemic effects, inhalation: 114 mg/cm^3
Consumers, long-term exposure, systemic effects, orally: 87 mg/kg bw
Consumers, short-term exposure, systemic effects, skin: 950 mg/kg bw/day
Consumers, short-term exposure, systemic effects, skin: 850 mg/kg bw/day

PNEC

Ethanol (CAS: 64-17-5)

Fresh water: 0.96 mg/l
Sea water: 0.79 mg/l
Fresh water sediment: 3.6 mg/kg
Microorganisms in sewage treatment: 580 mg/l
Sewage treatment plant (STP): 2.75 mg/l
Soil: 0.63 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Workstations and storage rooms must be well ventilated to keep the vapour concentrations in the air below their limit values.

Individual protection measures

Eye or face protection

Use safety goggles compliant with the EN 166 standard.
Eye wash bottle with clean water or eye washers must be provided near the work area.

Skin protection

Hand protection

In case of danger, use chemical-resistant protective gloves compliant with the EN 374 standard.
Select glove material based on breakthrough time, rate of penetration and degradation.
It is recommended to change gloves regularly and immediately replace them if they have any signs of wear, damage (tears, holes) or their appearance changes (colour, flexibility, shape).

Body protection

Suitable protective clothing.
The type of protective equipment must be selected based on the quantity and concentration of hazardous

substances in the given work environment.

Respiratory protection

If proper ventilation is provided, respiratory protection equipment is not required.

In case of hazard due to the mixture vapours levels exceeding allowable levels in the air (e.g. due to ventilation failure), wear respiratory protection equipment.

Thermal hazard

Not specified

Environmental exposure controls

Do not discharge into drains and groundwater.

General health and safety guidelines

Follow good personal hygiene practices.

SECTION 9: Physical and chemical properties

9.1.	**Information on basic physical and chemical properties**	
	Physical state	Liquid
	Colour	No data available
	Odour	Characteristic for the used fragrance
	Melting point/freezing point	No data available
	Boiling point or initial boiling point and boiling range	No data available
	Flammability	No data available
	Lower and upper explosion limit	No data available
	Flash point	No data available
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	pH	No data available
	Kinematic viscosity	No data available
	Solubility	No data available
	Partition coefficient n-octanol/water (log value)	No data available
	Vapour pressure	No data available
	Density and/or relative density	No data available
	Relative vapour density	No data available
	Particle characteristics	Not applicable
9.2.	**Other information**	
	Information with regard to physical hazard classes	No data available
	Other safety characteristics	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not chemically reactive if stored and used under proper conditions.

10.2. Chemical stability

The mixture is chemically stable if stored and used under proper conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Not present when handled as intended.

SECTION 11: Toxicological information

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

Acute toxicity

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

Alcohols, C9-11, ethoxylated (CAS: 68439-46-3)

LD50 (dermal, rabbit): > 2000 mg/kg

LD50 (oral, rat): 1400 mg/kg

Ethanol (CAS: 64-17-5)

DL100 for an adult person is on average 7-8 g/kg bw

LDLO (oral, human): 6000 mg/kg bw

LDLO (oral, rat): 7060 mg/kg bw

LC50 (fish): > 10000 mg/l

Chronic toxicity

LD50 (oral, rat): 6.2 – 15 g/kg bw

LC50 (inhalation, rat): > 50 mg/l (4 h)

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

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

No data

Other information

No data

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Ethanol (CAS: 64-17-5)

Fish: 9000 mg/dm^3/24 hours

EC50: Carassius auratus: 0.25 cm^3/dm^3/6 hours

Crustaceans: EC50 Daphnia magna: 7800 mg/dm^3

Bacteria EC50: Pseudomonas putida: 6500 mg/dm^3

IC50 Scenedesmus quadricauda algae: 5000 mg/dm^3
Microcystis aeruginosa EC50: 1450 mg/dm^3

12.2. Persistence and degradability

Surfactants used in the product meet the biodegradability requirements in accordance with Regulation (EC) no 648/2004/EC as amended.
Alcohols, C9-11, ethoxylated (CAS: 68439-46-3)
Readily biodegradable - 76%, 28 days
Ethanol (CAS: 64-17-5)
The product is readily biodegradable BOD20 = 84%
The substance is readily biodegradable in sewage treatment installations.

12.3. Bioaccumulative potential

Ethanol (CAS: 64-17-5)
Low tendency to bioaccumulation.
logKow: < 4.5
Toxicity: chronic, aquatic organisms (LC50 and EC50): > 0.1 mg/l

12.4. Mobility in soil

No data

12.5. Results of PBT and vPvB assessment

No data

12.6. Endocrine disrupting properties

No data

12.7. Other adverse effects

No data

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with current regulations.
Hand over any used packaging to an authorised company for disposal or reuse.
Do not release into the environment.

SECTION 14: Transport information

14.1.	**UN number or ID number**	not applicable
14.2.	**UN proper shipping name**	not applicable
14.3.	**Transport hazard class(es)**	not applicable
	Label no. :	not applicable
14.4.	**Packing group**	not applicable
14.5.	**Environmental hazards**	No
14.6.	**Special precautions for user**	not applicable
14.7.	**Maritime transport in bulk according to IMO instruments**	not applicable

SECTION 15: Regulatory information

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

- Regulation (EC) No 1272/2008 (CLP) 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 (REACH).

- REGULATION (EC) No 1907/2006 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.

- 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)

15.2. Chemical safety assessment

No data

SECTION 16: Other information

Full text of H-phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification procedures according to Regulation (EC) 1272/2008

Classification based on calculation procedure.

Abbreviations and Acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
PP: Severe Marine Pollutant
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

Note to readers

The product described in the safety data sheet should be stored and used in accordance with good industrial practices and in compliance with all applicable legal regulations.
The information contained in the safety data sheet is based on the current state of knowledge and is intended to describe the product in terms of health, safety and environmental regulations. It should not be considered a guarantee of any specific product properties.
We cannot make any representations or warranties regarding the accuracy or completeness of any information provided or the quality or specifications of any products, substances or mixtures discussed herein.
The user is responsible for creating conditions for the safe use of the product and for the consequences of its misuse.

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