

SAFETY DATA SHEET

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

Inside Restorer

Date of compilation: 14.12.2023

Revision:

Version: 1.0

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

1.1. Product identifier

Product name: **Inside 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)

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008

Signal word

WARNING

Pictograms



Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

General

P102 Keep out of reach of children.

Prevention

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

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Response

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

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

Storage

None

Removal

None

Supplemental information

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

Non-ionic surfactants 5 % - < 15 %

Amphoteric surfactants < 5 %

Perfumes (LINALOOL, LIMONENE, CITRAL, HEXYL CINNAMAL, CITRONELLOL)

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	< 3
Ethanolamine ^[1] ^[2] ^[3] [2-aminoethanol]	Index: 603-030-00-8 CAS: 141-43-5 EC: 205-483-3 Reg. no. REACH: 01-2119486455-28-XXXX	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B STOT SE 3 Aquatic Chronic 3	H332 H312 H302 H314 H335 H412	> 3.9 - < 5

Notes

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

^[1] Specific concentration limits

Ethanolamine: STOT SE 3; H335: C ≥ 5 %

^[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.

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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 CO₂, 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 (CO_x) 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.

Risk of slipping on spilled product.

6.2. Environmental precautions

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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.

Rinse the contaminated surface with plenty of water.

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	
2-Aminoethanol	141-43-5	1	2,5	3	7,6	Skin

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DNEL

Ethanolamine (CAS: 141-43-5)

Workers, long-term exposure, systemic effects, skin: 1 mg/kg bw/day

Workers, long-term exposure, local effects, inhalation: 3.3 mg/m³

Consumers, long-term exposure, systemic effects, skin: 0.24 mg/kg bw/day

Consumers, long-term exposure, systemic effects, oral: 3.75 mg/kg bw/day

Consumers, long-term exposure, local effects, inhalation: 2 mg/m³

PNEC

Ethanolamine (CAS: 141-43-5)

Fresh water: 0.085 mg/l

Seawater: 0.0085 mg/l

Water, intermittent release: 0.025 mg/l

Freshwater sediment: 0.425 mg/kg

Seawater sediment: 0.425 mg/kg

Sewage treatment plant (STP): 100 mg/l

Soil: 0.035 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

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.

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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

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Ethanolamine (CAS: 141-43-5)

LD50 (skin, rabbit): 2504 mg/kg

LD50 (oral, rat): 1089 mg/kg

LC50 (inhalation, rat): 1487 mg/m³

Skin corrosion/irritation

Causes skin irritation.

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

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

Acute toxicity

Ethanolamine (CAS: 141-43-5)

Fish (Pimephales promelas): LC50 (96 h): 2070 mg/l

Aquatic invertebrates (Daphnia magna): EC50 (48 h): 97 mg/l (OECD 201)

Algae/aquatic plants (Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)): EC50 (72 h) = 2.5 mg/l (OECD 201)

Microorganisms: EC10 (30 min.): > 1000 mg/l (OECD 209)

Chronic toxicity

Ethanolamine (CAS: 141-43-5)

Fish (Medaka (Oryzias latipes)): NOEC (30 days) = 1.2 mg/l (OECD 210)

Aquatic invertebrates (Daphnia (Daphnia magna)): NOEC (21 day) = 0.85 mg/l (OECD 211)

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

Ethanolamine (CAS: 141-43-5)

Substance is completely biodegradable according to OECD criteria.

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12.3. Bioaccumulative potential

Ethanolamine (CAS: 141-43-5)

logKow: -1,91 (25 °C)

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

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SECTION 16: Other information

Full text of H-phrases mentioned in section 3:

- H302** Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful 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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