

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

PRODUCT NAME IRON REMOVER

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

Relevant identified uses:

Rim cleaning agent, professional use

Uses advised against:

not specified

1.3 Details of the supplier of the safety data sheet

Address:

FX International Sp. z o.o.

Tel.

ul. Mikołowska 65, 44-203 Rybnik

E-mail address of competent person responsible for the SDS:

+48 577 899 066

biuro@fxprotect.pl

1.4 Emergency telephone number

112 (24-hour)

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Product classified based on producer/distributor documentation.

AcuteTox 4 H312

Skin Sens. 1 H317

Eye Irrit. 2 H319

2.2 Label elements



GHS07

Signal word:

WARNING

Identifier:

Contains: sodium mercaptoacetate

Hazard statement(s)

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Supplemental information on the label

NOT APPLICABLE

Precautionary statement(s)

P261 Avoid breathing mist/vapours/spray.

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

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

P501 Dispose of contents / container to an authorized waste disposal plant.

Supplemental Hazard information (EU):

No specific information.

Contents in accordance with 648/2004/EC Directive:

≥5%, but <15% anionic surfactants

preservatives (METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE)

2.3 Other hazards

No information on meeting the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII

Section 3. Composition/information on ingredients

3.1 Substances

NOT APPLICABLE

3.2 Mixtures

sodium mercaptoacetate				
REACH No	01-2119968564-24			
Index No	NOT APPLICABLE			
EC No	206-696-4			
CAS No	367-51-1			
Concentration %	15-30			
Classification according to 1272/2008/EC	Met. Corr. 1	H290	GHS05	Wng
	Acute Tox. 4	H312	GHS07	Wng
	Acute Tox. 3	H301	GHS06	Dgr
	Skin Sens. 1	H317	GHS07	Wng

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

alkohole, C9-11,rozgałężione i liniowe, etoksylowane 5-20 TE	
REACH No	A registration number for this substance is not available as the substance or its use is exempted from registration according to Article of REACH Regulation (EC) No 1907/2006 or the annual tonnage does not require a registration.
Index No	NOT APPLICABLE
EC No	Polimer
CAS No	160901-09-7 (68439-46-3/68439-45-2)
Concentration %	<5
Classification according to 1272/2008/EC	Acute Tox.4 H302 GHS07 Wng Eye Dam. 1 H318 GHS05 Dgr

Components not classified:

Name:	CAS No:	EC No:	Content [%]
-	-	-	-

For full text of H-statements: see SECTION 16.

Section 4. First aid measures

4.1 Description of first aid measures

General notes

Never administer anything orally to an unconscious person. In the event of accident or if you feel unwell, seek medical advice immediately (show the label). If symptoms persist or in any doubt, seek medical advice.

Inhalation

Remove to fresh air. Keep the affected person warm and calm.

Skin contact

Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of soapy water. Contaminated work clothing should not be allowed out of the workplace.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate consult ophthalmologist.

Note: People exposed to eye contamination should be advised on the necessity and methods of flushing.

Ingestion

Immediately induce vomiting. Rinse mouth with water. Give a large amount of water to drink. Call a doctor immediately.

Protection of first-aiders:

Do not take any action that would harm anyone unless you are properly trained. Always use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact

Irritation.

Inhalation

No specific information.

Skin contact

May cause an allergic skin reaction.

Ingestion

Nausea and vomiting.

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

Seek medical advice in case of accident or malaise. Do not induce vomiting or give anything by mouth to an unconscious person. Show the safety data sheet or label / package to the medical staff providing the assistance. Helpers under an unknown concentration of vapors / mist should be provided with adequate respiratory protection.

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media non-flammable solution. Adapt to the surrounding materials.

Unsuitable extinguishing media water jets

5.2 Special hazards arising from the substance or mixture

Produces suffocating and toxic fumes on combustion. Inhalation of combustion products leads to serious health risks.

5.3 Advice for firefighters

Follow the procedures for extinguishing fires of chemicals. In case of fire involving large quantities of product, all persons should be removed / evacuated from the danger area.

Closed containers exposed to fire or high temperature to be cooled down with water spray from a safe distance, if possible, and safely remove them from the hazard area. Do not allow fire extinguishing sewerage to enter sewage system and water bodies.

Dispose of effluent and fire residue in accordance with local regulations.

Persons involved in firefighting should be trained, equipped with self-contained breathing apparatus and full protective clothing.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin and clothing. Provide ventilation. Avoid breathing vapors. Use personal protection equipment.

6.2 Environmental precautions

Do not let the product enter drains, water and soil. Limit the spread of the product after release.

6.3 Methods and material for containment and cleaning up

Place the damaged packaging in the replacement packaging. Small amounts of released product should be absorbed with inert, non-flammable absorbent material (e.g. soil, sand, vermiculite), collected in a closed, labeled waste container. Dispose of in accordance with local regulations. If necessary, to remove product or contaminated product absorbent material, enlist the help of specialized companies engaged in transportation and elimination of waste. Thoroughly wash release site with water. Avoid contact with metals due to the possibility of corrosion.

6.4 Reference to other sections

Refer to Section 8 for appropriate personal protective equipment. For disposal information, see section 13. Refer to Section 7 for precautionary measures.

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

Section 7. Handling and storage

7.1 Precautions for safe handling

Do not inhale vapours directly. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Keep unused containers tightly closed. Observe the basic rules of hygiene: do not eat, drink or smoke during work; each time after finishing / stopping work, wash your hands with water. Do not use contaminated clothing; immediately take off contaminated clothing, wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Pay attention to warnings on the label.
- Store only in certified, original, properly labeled, sealed packaging.
- Prohibit access to unauthorized persons.
- Open containers close carefully and hold upright.
- Store on a hard surface.
- Store in a dry, cool, well-ventilated area.
- Keep away from strong oxidants, strong alkalis, and strong acids.
- Do not release to drains, surface or ground water (this also includes empty containers).
- Recommended storage temp. 5-30 °C.
- Keep out of direct sunlight.

7.3 Specific end use(s)

Application method according to information provided by the manufacturer or distributor.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Legal basis:

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

TWA, STEL

No specific information.

DNEL

No specific information.

PNEC

No specific information.

8.2 Exposure controls

Observe general safety and hygiene rules. Do not eat, drink or smoke during product handling. Wash hands before meals and after work. Wash contaminated clothing before reuse. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapours. Provide effective local ventilation in workstations, and general ventilation.

Respiratory protection:

Ensure proper ventilation.

Skin protection:

Workwear.

In order to protect exposed skin it is recommended to use moisturizing creams, but they should not be used immediately after exposure.

Hand protection:

Wear protective gloves impermeable and resistant to the product (tested to EN374). It is recommended to change gloves regularly and replace them immediately if you notice any signs of wear or damage (tearing, puncture) or changes in appearance (colour, elasticity, shape).

Recommended material: lateks

Permeation time: >10min

Eye and face protection:

In case of prolonged exposure or splashes of liquid hazard, wear safety sealed goggles according to EN 166. It is recommended to equip the workplace in a water shower for rinsing eyes.

Thermal hazards:

Heating can release hazardous gases.

Environmental exposure controls:

Should not be released into the environment. In case of contamination of rivers, lakes or sewage, notify the appropriate authorities.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Parameter	Value
Appearance (20°C)	Viscous transparent to pale pink liquid
Odour	Strong, sulfuric
Odour threshold	Not determined
pH	6-8
Melting point/freezing point (°C)	Not determined
Initial boiling point and boiling range (°C)	Not determined
Flash point (°C)	NOT APPLICABLE - non-flammable liquid
Evaporation rate	Not determined
Flammability (solids, gases)	NOT APPLICABLE - liquid
Flammability or explosive limits [% v/v]: upper lower	NOT APPLICABLE - non-flammable liquid
Vapour pressure (40°C, kPa)	Not determined
Vapour density (air = 1)	Not determined
Density (20°C, g/cm ³)	1,05-1,15
Solubility	(98% sodium mercaptoacetate)

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

	ok. 609 g/l in water 30 – 35 g/l in acetone Product is easily soluble in hot and cold water
Partition coefficient: n-octanol/water	NOT APPLICABLE
Auto-ignition temperature (°C)	NOT APPLICABLE - non-flammable liquid
Decomposition temperature (°C)	Not determined
Viscosity kinematic (mm ² /s, 40°C) dynamic (mPa·s, 25°C)	Not determined
Explosive properties	NOT APPLICABLE - does not create an explosive atmosphere
Oxidising properties	NOT APPLICABLE

9.2 Other information

No specific information.

Section 10. Stability and Reactivity

10.1 Reactivity

Reacts with iron creating colored complex compounds.

10.2 Chemical stability

Stable under normal ambient conditions, as well as under expected temperature and pressure during storage and handling.

10.3 Possibility of hazardous reactions

Under recommended storage and handling conditions, no dangerous reactions should occur.

10.4 Conditions to avoid

Extreme temperatures.

10.5 Incompatible materials

Bases, acids, oxidants, iron salts.

10.6 Hazardous decomposition products

No specific information.

Section 11. Toxicological information

This product has been evaluated following the conventional method specified by the EU Directive and is appropriately classified in terms of toxicity. Details are given in Sections 2 and 3.

11.1 Information on toxicological effects

Acute toxicity	No specific information.
Skin corrosion/irritation	No specific information.
Serious eye damage/irritation	No specific information.
Respiratory or skin sensitisation	No specific information.
Germ cell mutagenicity	No specific information.
Carcinogenicity	No specific information.
Reproductive toxicity	No specific information.
STOT-single exposure	No specific information.
STOT-repeated exposure	No specific information.
Aspiration hazard	No.

Section 12. Ecological information

For more information on possible environmental effects, see Section 2.1. (classification). No data for the final product, the evaluation was made based on the individual components.

12.1 Toxicity

Do not allow to enter surface waters, watercourses or sewage system.

12.2 Persistence and degradability

No specific information.

12.3 Bioaccumulative potential

No specific information.

12.4 Mobility in soil

No specific information.

12.5 Results of PBT and vPvB assessment

No information on meeting the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6 Other adverse effects

Product should not enter the water or sewerage system or the soil.

Section 13. Disposal considerations

13.1 Waste treatment methods

Dispose in accordance with all applicable regulations.

Waste codes should be specified by the user based on the way the product is used.

Waste code proposal:

20 01 29* detergents containing hazardous substances

Packaging waste code

15 01 10* packaging containing residues of or contaminated by hazardous substances

Legal basis:

COMMISSION DECISION 2014/955/EU of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

Section 14. Transport Information

The product is not subject to regulations on the transport of dangerous goods included in ADR (road), RID (rail), ADN (inland transport), IMDG (sea), ICAO / IATA (air).

Excepted quantities:

The maximum net quantity for inner packaging: -

The maximum net quantity for outer packaging: -

	ADR
14.1 UN number	NOT APPLICABLE
14.2 UN proper shipping name	NOT APPLICABLE
14.3 Transport hazard class(es)	NOT APPLICABLE
	NOT APPLICABLE
14.4 Packing group	NOT APPLICABLE
14.5 Environmental hazards	The product is not a threat to the environment in accordance with transport regulations.
14.6 Special precautions for user	When handling the load, wear personal protective equipment in accordance with Section 8. Quantity limited: - Tunnel restriction code: - Hazard identification number: - Operation: - Special provision: -
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	NOT APPLICABLE

Section 15. Regulatory information

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

- 1) Regulation (EC) No. 1907/2006 (Annex II Guidelines for the preparation of Safety Data Sheets)
- 2) Commission Regulation (EU) 2015/830 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) (OJ L 132/8 29.5.2015, CELEX 32015R0830)
- 3) Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 133 31.5.2010, CELEX 32010R0453)
- 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 353 31.12.2008, CELEX 32008R1272)
- 5) 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 (OJ L 396 30.12.2006, CELEX 32006R1907)
- 6) Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing some Directives (OJ L 312 22.11.2008, CELEX 32008L0098).
- 7) Regulation (EC) No. 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer (OJ L 286 31 October 2009, CELEX 32009R1005).
- 8) Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods (Text with EEA relevance) (OJ L 260 30.9.2008, CELEX 32008L0068)

Seveso III: 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

Category	Threshold value for lower-tier establishment [t]	Threshold value for upper-tier establishment [t]
NOT APPLICABLE	-	-

15.2 Chemical Safety Assessment

Chemical safety assessment was not done for this product.

Section 16. Other information

The data contained herein refer to the product in commercial form.

Relevant H-statements (number and full text)

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Hazard classes and categories

Acute Tox. 3	Acute toxicity	Category 3
Acute Tox. 4	Acute toxicity	Category 4
Eye Dam. 1	Eye damage / irritation	Category 1
Eye Irrit. 2	Eye damage / irritation	Category 2
Met. Corr. 1	Corrosive to metals	Category 1
Skin Irrit. 2	Skin corrosion / irritation	Category 2
Skin Sens. 1	Skin sensitization	Category 1

Abbreviations and acronyms

ACGIH Association Advancing Occupational and Environmental Health

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of 28 May 2015

ADN	L' Accord européen relatif au transport international des marchandises Dangereuses par voies de navigation intérieures –The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Accord Dangereux Routier - European regulations concerning the international transport of dangerous goods by road
ASTM	American Society for Testing and Materials
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BGW	Biologischer Grenzwert (biological limit value, Germany)
CAS	Chemical Abstract Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or Toxic to Reproduction
CSA	Chemical safety assessment
CSR	Chemical safety report
DIN	Deutsches Institut für Normung - German Institute for Standardisation
DNEL	Derived No-effect Level
EC	European Community
EC50	Median Effective Concentration (required to induce a 50% effect)
ES	Exposure Scenario
EWC	European Waste Catalogue
GHS	Global Harmonized System
IATA	International Air Transport Association
IC50	Median Inhibition Concentration (concentration that reduces the effect by 50%)
IMDG	International Maritime Dangerous Goods Code
ISO	International Organization for Standardization
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
LDLo	Lethal Dose Low
LogPow	octanol/water partition coefficient
VOC	Volatile organic compound
MARPOL 73/78	The International Convention for the Prevention of Pollution from Ships
NIOSH	The U.S. National Institute for Occupational Safety and Health
NOEC	No Observed Effect Concentration
OECD	Organization for Economic Co-operation and Development
OSHA	Occupational Safety & Health Administration
PBT	Persistent Bioaccumulative Toxic (chemical)
PEL	Permissible Exposure Limits
PNEC	Predicted No Effect Concentration
REACH	Regulation 1907/2006/EC for Registration, Evaluation, Authorization and Restriction of Chemical
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
RRN	REACH registration number
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure
SVHC	Substances of very high concern
TWA	Time Weighted Average
vPvB	very Persistent very Bioaccumulative (chemical)

The information in this SDS is based on the present state of our knowledge and current law basis. The product is not to be used for purposes other than those specified under Section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

*The SDS has been developed by **Pro-Perfekt**, biuro@properfekt-msds.pl*

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