

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

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

- 1.1 Product identifier

- Trade name: **FALLOUT IRON REMOVER**

- UFI: SKM0-A0YW-000G-GJTG

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

- Life cycle stages

C Consumer use

PW Widespread use by professional workers

- Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- Product category PC35 Washing and cleaning products (including solvent based products)

- Application of the substance / the mixture Exterior vehicle cleaner

- Uses advised against

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

MA-FRA S.p.A. a Socio Unico

Via Aquileia, 44/46

20021 Baranzate (MI) ITALIA

Tel. +39 023569981

www.mafra.com

mafra@mafra.it

- Informing department:

E-mail: lab@mafra.it

info@mafra.it

- 1.4 Emergency telephone number: In case of accident call the emergency number 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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



Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

- Hazard pictograms



GHS07

- Signal word Warning

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 1)

- Hazard-determining components of labelling:

ammonium mercaptoacetate

- Hazard statements

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

- Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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 in accordance with local/regional/national/international regulation

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****- 3.2 Mixtures****- Description:** Mixture of substances**- Dangerous components:**

CAS: 5421-46-5	ammonium mercaptoacetate	10-20%
EINECS: 226-540-9	⚠ Acute Tox. 2, H300; ⚠ Met. Corr. 1, H290; ⚠ Skin Sens. 1, H317	
Reg.nr.: 01-2119531489-31		

- Regulation (EC) No 648/2004

non-ionic surfactants, anionic surfactants

<5%

- Additional information For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation Supply fresh air; consult doctor in case of symptoms.**- After skin contact** If skin irritation continues, consult a doctor.**- After eye contact** Rinse opened eye for several minutes under running water.**- After swallowing**

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

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

Headache

Allergic reactions

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

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

SECTION 5: Firefighting measures**- 5.1 Extinguishing media****- Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 2)

Use fire fighting measures that suit the environment.

- 5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x)

Can be released in case of fire

Carbon monoxide (CO)

- 5.3 Advice for firefighters**- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Protective gloves. (EN 374)

- For non-emergency personnel

Ensure adequate ventilation

Keep away from ignition sources

Wear protective clothing.

- For emergency responders

Recommended thickness of the material: ≥ 0.1 mm

Butyl rubber, BR

Nitrile rubber, NBR

- 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Dilute with much water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Use only in well ventilated areas.

Avoid splashes or spray in enclosed areas.

Keep away from heat and direct sunlight.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

- Information about protection against explosions and fires: Protect from heat.**- 7.2 Conditions for safe storage, including any incompatibilities****- Storage**

- Requirements to be met by storerooms and containers: *Store only in the original container.*

- Information about storage in one common storage facility: *Not required.*

- Further information about storage conditions: *None.*

- Class according to regulation on inflammable liquids: *Void*

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 3)

- 7.3 **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**- **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs****5421-46-5 ammonium mercaptoacetate**

Dermal	Systemic long-term effects	2.06 mg/Kg bw/day (Industrial Workers)
--------	----------------------------	--

68515-73-1 Alkyl polyglucosyde C8-C10

Oral	Systemic Long-term Effects	35.7 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	595,000 mg/Kg bw/day (Industrial Workers)
		357,000 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	420 mg/m ³ (Industrial Workers)
		124 mg/m ³ (Consumers)

9004-82-4 Sodium Laureth Sulphate

Oral	Systemic Long-term Effects	15 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	2,750 mg/Kg bw/day (Industrial Workers)
		1,650 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	175 mg/m ³ (Industrial Workers)
		52 mg/m ³ (Consumers)

- **PNECs****5421-46-5 ammonium mercaptoacetate**

Soft Water	0.038 mg/L (Water)
Sea water	0.0038 mg/L (Water)

68515-73-1 Alkyl polyglucosyde C8-C10

PNEC STP	560 mg/L (STP)
Soil	0.654 mg/Kg (Soil)
Soft Water	0.176 mg/L (Water)
Sea water	0.0176 mg/L (Water)
Sediment (soft water)	1.516 mg/Kg (Soil)
Sediment (sea water)	0.152 mg/Kg (Soil)

9004-82-4 Sodium Laureth Sulphate

PNEC STP	10,000 mg/L (STP)
Soil	7.5 mg/Kg (Soil)
Soft Water	0.24 mg/L (Water)
Sea water	0.024 mg/L (Water)
Sediment (soft water)	0.917 mg/Kg (Soil)
Sediment (sea water)	0.092 mg/Kg (Soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.- 8.2 **Exposure controls**- **Appropriate engineering controls** No further data; see item 7.- **Individual protection measures, such as personal protective equipment**- **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 4)

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Hand protection**



Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**

Recommended thickness of the material: ≥ 0.1 mm

Butyl rubber, BR

Nitrile rubber, NBR

- **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 15 minutes (Permeation according to EN 16523-1:2015: Level 1).

- **Eye/face protection**



Safety glasses recommended during refilling.

- **Environmental exposure controls** Disposal must be made according to official regulations.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- **General Information**

- Physical state	Fluid
- Colour:	Yellow
- Odour:	Characteristic
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	100 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	Not applicable
- Decomposition temperature:	Not determined.
- pH at 20 °C	5
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure at 20 °C:	23 hPa
- Density and/or relative density	
- Density at 20 °C	1.05 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

(Contd. on page 6)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 5)

- 9.2 Other information**- Appearance:****- Form:** Liquid**- Important information on protection of health and environment, and on safety.****- Self-inflammability:** Product is not selfigniting.**- Explosive properties:** Product is not explosive.**- Change in condition****- Evaporation rate** Not determined.**- Information with regard to physical hazard classes****- Explosives** Void**- Flammable gases** Void**- Aerosols** Void**- Oxidising gases** Void**- Gases under pressure** Void**- Flammable liquids** Void**- Flammable solids** Void**- Self-reactive substances and mixtures** Void**- Pyrophoric liquids** Void**- Pyrophoric solids** Void**- Self-heating substances and mixtures** Void**- Substances and mixtures, which emit flammable gases in contact with water** Void**- Oxidising liquids** Void**- Oxidising solids** Void**- Organic peroxides** Void**- Corrosive to metals** Void**- Desensitised explosives** Void**SECTION 10: Stability and reactivity****- 10.1 Reactivity** Stable under normal conditions**- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**- 10.3 Possibility of hazardous reactions** No dangerous reactions known**- 10.4 Conditions to avoid** No further relevant information available.**- 10.5 Incompatible materials:** No further relevant information available.**- 10.6 Hazardous decomposition products:** No dangerous decomposition products known**SECTION 11: Toxicological information****- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****- Acute toxicity** Harmful if swallowed.**- LD/LC50 values that are relevant for classification:****5421-46-5 ammonium mercaptoacetate**

Oral LD50 50-200 mg/Kg (Rat)

Dermal LD50 >2,000 mg/Kg (Rat)

68515-73-1 Alkyl polyglucosyde C8-C10

Oral LD50 >2,000 mg/Kg (Rat)

Dermal LD50 >2,000 mg/Kg (Rat)

9004-82-4 Sodium Laureth Sulphate

Oral LD50 >2,000 mg/Kg (Rat)

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 6)

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.- **11.2 Information on other hazards**- **Endocrine disrupting properties**

1222-05-5	\1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II
1506-02-1	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	List II
128-37-0	Butylated hydroxytoluene	List II
118-58-1	Benzyl salicylate	List II

SECTION 12: Ecological information

- **12.1 Toxicity**- **Aquatic toxicity:****5421-46-5 ammonium mercaptoacetate**

LC50 (96h) >100 mg/L (Fish)

EC50 (48h) 38 mg/L (Daphnia)

EC50 (72h) 13 mg/L (Algae)

68515-73-1 Alkyl polyglucosyde C8-C10

LC50 (96h) 126 mg/L (Fish)

EC50 (48h) >100 mg/L (Daphnia)

EC50 (72h) 27.22 mg/L (Algae)

9004-82-4 Sodium Laureth Sulphate

LC50 (96h) >1 mg/L (Fish)

EC50 (48h) 7.2 mg/L (Daphnia)

EC50 (72h) 7.5 mg/L (Algae)

- **12.2 Persistence and degradability** The contained surfactants are easily biodegradable- **12.3 Bioaccumulative potential** No further relevant information available.- **12.4 Mobility in soil** No further relevant information available.- **12.5 Results of PBT and vPvB assessment**- **PBT:** Not applicable.- **vPvB:** Not applicable.- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.- **12.7 Other adverse effects**- **Additional ecological information:**- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 7)

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information**

- | | |
|---|-----------------|
| - 14.1 UN number or ID number
- ADR, IMDG, IATA | Void |
| - 14.2 UN proper shipping name
- ADR, IMDG, IATA | Void |
| - 14.3 Transport hazard class(es)
- ADR, IMDG, IATA
- Class | Void |
| - 14.4 Packing group
- ADR, IMDG, IATA | Void |
| - 14.5 Environmental hazards: | Not applicable. |
| - 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
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):

Class	Share in %
I	10.8

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Relevant phrases**
H290 May be corrosive to metals.
H300 Fatal if swallowed.
H317 May cause an allergic skin reaction.
- **Department issuing data specification sheet:** Ma-Fra Laboratories
- **Contact:** lab@mafra.it
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.10.2022

Version number 4 (replaces version 3)

Revision: 17.10.2022

Trade name: FALLOUT IRON REMOVER

(Contd. of page 8)

PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Sens. 1: Skin sensitisation – Category 1

- * **Data compared to the previous version altered.**

GB