



INTATRADE
MATERIAL SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

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1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product name: **Ferroceneacetic acid**
Product code: EO00618
Company: INTATRADE Chemicals GmbH
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Symbol(s)
R-phrases)
Risk Combination Phrases

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 15
Xn - Harmful
R22 - Harmful if swallowed
R36/37/38 - Irritating to eyes, respiratory system and skin



Label Elements
Signal Word
Hazard Statements

Warning

H302 - Harmful if swallowed
H335 - May cause respiratory irritation
H315 - Causes skin irritation
H319 - Causes serious eye irritation
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Other Hazards No information available.

Precautionary Statements – EU (§28, 1272/2008)

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.: 1287-16-7
67/548/EEC Classification Xn; R22; Xi; R36/37/38
CLP Classification -
Regulation (EC) No 1272/2008 STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 15.

4. FIRST AID MEASURES

Description of first aid measures	Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.
Ingestion	Clean mouth with water. Get medical attention.
Inhalation	Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Dry chemical. chemical foam.
Extinguishing media which must not be used for safety reasons	No information available.
Special hazards arising from the substance or mixture	Thermal decomposition can lead to release of irritating gases and vapors
Advice for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation
Environmental precautions	Prevent further leakage or spillage if safe to do so
Methods and material for containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Do not ingest.
Conditions for safe storage, including any incompatibilities	Keep in a dry, cool and well-ventilated place. Keep container tightly closed.
Specific End Uses	-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Biological limit values	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.
Exposure controls	Engineering Measures Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers are close to the workstation location
Personal protective equipment	
Eye Protection	Goggles
Hand Protection	Protective gloves

Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder, Solid
Appearance	Amber
pH	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	156 - 160°C / 312.8 - 320°F
Flash Point	No information available.
Autoignition Temperature	No information available.
Molecular Formula	C ₁₂ H ₁₂ Fe O ₂
Molecular Weight	244.07

10. STABILITY AND REACTIVITY

Reactivity	Chemical Stability
Stable under normal conditions	Possibility of Hazardous Reactions
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	No information available.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects	
Acute Toxicity	Product Information No acute toxicity information is available for this product
Component Information	
Chronic Toxicity	
Carcinogenicity	There are no known carcinogenic chemicals in this product
Sensitization	No information available.
Mutagenic Effects	No information available
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organs	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated.
Endocrine Disruptor Information	None known

12. ECOLOGICAL INFORMATION

Toxicity	
Ecotoxicity effects	Do not empty into drains
Persistence and degradability	No information available
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Results of PBT and vPvB assessment	-
Other adverse effects	No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Waste from Residues / Unused
Products	Dispose of in accordance with local regulations
Contaminated Packaging	Empty containers should be taken to local recyclers for disposal

14. TRANSPORT INFORMATION

IMDG/IMO	Not regulated
ADR	Not regulated
IATA	Not regulated

15. REGULATORY INFORMATION

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

International Inventories

Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

16. OTHER INFORMATION

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Intatrade Chemicals GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.