



MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: FERROIN INDICATOR SOLUTION

CAS Number: NA

1. IDENTIFICATION:

Product Code : 94188

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:

Hazard classification : Not a hazardous substance or mixture.

Labels elements : Not a hazardous substance or mixture.

Hazard symbol : No hazard pictogram required.

Signal word : Not a hazardous substance or mixture.

Hazard statement : Not a hazardous substance or mixture.

Precautionary statement

Prevention : Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response : IF ON SKIN (or hair): Rinse skin with water/ shower.
IF IN EYES: Rinse with water.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/ INFORMATION ON INGRADIENTS:

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES:

General information : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

Ingestion : Rinse mouth.

Inhalation : Move to fresh air.



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Skin contact	: Flush with plenty of water.
Eye contact	: Flush with plenty of water.
Most important symptoms/effects, acute and delayed	: Not a hazardous substance or mixture.
Indication of immediate medical attention and special treatment needed	: No data available

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.

Specific hazards arising from the chemical : Nature of decomposition products not known.

Special protective equipment and precautions for firefighters

Special firefighting procedures : Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Special protective equipment for fire-fighters : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures : Keep upwind. Ventilate. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up : Use only non-sparking tools.

Notification Procedures : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

Environmental precautions : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Wash hands thoroughly after handling.



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Conditions for safe storage, including any incompatibilities : Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:**Appropriate engineering**

controls : No data available

Individual protection measures, such as personal protective equipment

General information : Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

Eye/face protection : Wear safety glasses with side shields (or goggles).

Hand protection : Chemical resistant gloves.

Other : Wear suitable protective clothing.

Respiratory protection : Respiratory protection not required.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance : Dark red solution.

Odor : No data available.

Solubility : No data available.

Formula : NA

Molecular Weight : NA

Density : 0.999 g/cm³

pH : No data available.

% Volatiles by volume @ 21C (70F) : No data available.

Boiling Point : No data available.

Melting Point : No data available.

Flash Point : No data available.

Vapor Density (Air=1) : No data available.

Vapor Pressure (mm Hg) : No data available.



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Evaporation Rate (BuAc=1) : No data available.

10. STABILITY AND REACTIVITY:

Reactivity : No data available.

Chemical stability : Material is stable under ambient conditions..

Possibility of hazardous reactions : No data available.

Conditions to avoid : No data available.

Incompatible materials : No data available.

Hazardous decomposition products : In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product : No data available.

Dermal Product : No data available.

Inhalation Product : No data available.

Repeated dose toxicity Product : No data available.

Skin corrosion/irritation Product : No data available.

Serious eye damage/eye irritation Product : No data available.

Respiratory or skin sensitization Product : No data available.

Carcinogenicity Product : No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans : No data available.

US. National Toxicology Program (NTP) Report on Carcinogens : No data available.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : No data available.

Germ cell mutagenicity : No data available.

Reproductive toxicity Product : No data available.



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Specific target organ**toxicity - single exposure** : No data available.**Product****Specific target organ****toxicity - repeated** : No data available.**exposure Product****Aspiration hazard Product** : No data available.**Other effects**

: No data available.

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment****Fish Product**

: No data available.

Aquatic invertebrates**Product** : No data available.**Chronic hazards to the aquatic environment****Fish Product**

: No data available.

Aquatic invertebrates**Product** : No data available.**Toxicity to Aquatic Plants****Product:** : No data available.**Persistence and degradability****Biodegradation Product**

: No data available.

BOD/COD ratio Product

: No data available.

Bioaccumulative potential**Bioconcentration factor****(BCF) Product** : No data available.**Partition coefficient n-****octanol / water (log Kow)** : No data available.**Product****Mobility in soil**

: No data available.

Other adverse effects

: No data available.



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13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID	NA	Ferroin Indicator Solution		Not dangerous goods	
IMDG	NA	Ferroin Indicator Solution		Not dangerous goods	
IATA	NA	Ferroin Indicator Solution		Not dangerous goods	

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

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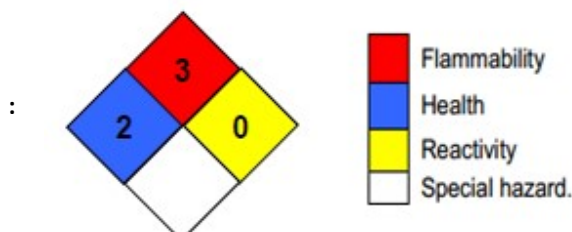
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16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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