

1.0 IDENTIFICATION

Trufloc® FERRIC CHLORIDE > = 10%

Recommended use of the chemical and restrictions on use

The preparation is used for the treatment of industrial waste water (effluent).

Supplier's details

Atana Ltd, Hydrus House, Dromintee Road, Hilltop Industrial Estate, Bardon Hill, Coalville, Leicestershire, LE67 1TX Tel +44 (0) 1530 830020 Fax +44 (0) 1530 832310

If you have queries regarding this MSDS please email andrew.dodds@atana.co.uk

Emergency phone number

8am – 4pm weekdays emergency telephone number 01530830020 - Head Office.

24 hour emergency telephone number 07782354001 – Atana Ltd, David Garton

2.0 HAZARD IDENTIFICATION

GHS label elements including precautionary statements



DANGER

H314: Causes severe skin burns and eye damage (Category 1B skin corrosion / irritation)

H335: May cause respiratory irritation (Category 3 specific target organ toxicity – single exposure)

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentration	CAS#	EINECS#	DSD classification	CLP Classification
Iron trichloride	> = 10%	7705-08-0	231-729-4	C (corrosive); R34, Xi	H314, H335

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(irritant); R37

4.0 FIRST AID MEASURES

Inhalation

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

P271: Use only outdoors or in a well-ventilated area.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Remove to fresh air. If symptoms call a physician. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position.

Ingestion

P312: Call a POISON CENTER or doctor / physician if you feel unwell.

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Skin contact

Take off all contaminated clothing immediately. Wash off any contamination immediately with soap and water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids for at least 5 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

5.0 FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use existing measures that are appropriate to local circumstances and the surrounding environment.

DO NOT USE high volume water jet.

In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Incomplete combustion may form toxic pyrolysis products.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions

Please see section 8.0.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

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Tel: +44 (0) 1530 830020 Fax: +44 (0) 1530 832310 Email: enquiries@atana.co.uk

Registered in England No. 04345865

Methods and materials for containment and cleaning up

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Absorb with liquid-binding material (sand, diatomite, closed containers for disposal.

7.0 HANDLING AND STORAGE

Precautions for safe handling

Keep container tightly closed. Avoid formation of aerosol. Do not breathe vapours or spray mist. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the workday. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes. Do not breathe vapours or spray mist.

Conditions for safe storage, including any incompatibilities

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Keep only in the original container. Keep tightly closed in a dry and cool place. Keep away from heat.

8.0 CONTROLS/PERSONAL PROTECTION EXPOSURE

Control parameters

EH40 WEL, time weighted average (TWA); as Fe 1 mg/m³.

EH40 WEL, short term exposure limit (STEL); as Fe 2 mg/m³.

Individual protection measures, such as PPE

Respiratory protective equipment: exposure is required if the exposure limit is exceeded (e.g. OEL). When aerosol or mist is formed use suitable respiratory protection.
 Hand protection: glove material has to be impermeable and resistant to the product / the substance / the preparation.
 Eye protection: goggles or a face-shield giving complete protection to eyes.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Oily, dark brown liquid.

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Odour Characteristic.

pH - 1 to - 2 (very acidic).

Melting point / range ca. – 10 °C.

Boiling point / boiling range 280 °C.

Viscosity, kinematic 7.5 mm²/s (25 °C).

10.0 STABILITY AND REACTIVITY

Stability Stable.

Conditions to avoid 0 °C.

Incompatible materials Acids, alkalis, copper, silver, zinc, hydrogen peroxide, hypochlorites, iron and mild steel.

11.0 TOXICOLOGICAL INFORMATION

Acute toxicity LD50: 900 mg/kg (rat)

Inhalation: irritating to respiratory system. Prolonged or repeated contact with vapour may cause chronic bronchitis and corrosive damages.

Skin: corrosive.

Eyes: corrosive effects.

Sensitization No sensitizing effect known.

12.0 ECOLOGICAL INFORMATION

Toxicity Toxic to algae.

General Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13.0 DISPOSAL CONSIDERATIONS

Disposal methods Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Disposal together with normal waste is allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned are to be disposed in the same manner as the product. No waste code according to the EWC can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14.0 TRANSPORT INFORMATION UN 2582.

ADR name: FERRIC CHLORIDE SOLUTION.

ADR class: 8.

ADR packaging group: III.

15.0 REGULATORY INFORMATION

Labelling See section 2.0 please.

16.0 Risk and safety phrases

R34 Causes burns.

R35 Causes severe burns.

R37 Irritating to respiratory system.

Date of amendment

June 2012
January 2013
August 2015

Reason for amendment

Update MSDS to reflect both DSD and CLP classifications.
Annual SDS review and update January 2013.
Email change and review

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