

1.0 IDENTIFICATION Trufloc® SULPHURIC ACID 50%

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

Skin Corr. 1A H314: Causes severe skin burns and skin damage.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Name	Concentration	CAS#	EINECS#	DSD classification	CLP Classification
Sulphuric acid	50%	7664-93-9	231-639-5	Skin. Corr 1A; H314	C; R35

4.0 FIRST AID MEASURES

Inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Ingestion Drink plenty of water and provide fresh air. Call for a doctor immediately.

Do not induce vomiting; call for medical help immediately.

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Skin contact	Immediately rinse with water. Seek immediate medical advice.
Eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
Doctor's information	Danger of pulmonary oedema.

5.0 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Fire-extinguishing powder.
Fire and explosion hazards	Not known.
Special protective equipment for fire-fighting	Wear self-contained respiratory protective device.
Other information	Cool endangered receptacles with water spray.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods for cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7.0 HANDLING AND STORAGE

Handling	Keep receptacles tightly sealed. When diluting always pour product into water and not vice versa.
Storage conditions	Provide acid-resistant floor. Do not store together with alkalis (caustic solutions). Store away from water. Keep container tightly sealed.

8.0 CONTROLS/PERSONAL PROTECTION EXPOSURE

Occupational exposure limits	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Exposure controls	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing

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Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Hand protection: PVC gloves.
 Eye protection: tightly sealed goggles.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless fluid with a pungent odour.
Melting point / range	Undetermined.
Boiling point / range	120 °C
Setting temperature / range	-20 °C
Flash point	Not applicable.
Self-igniting	Product is not self-igniting.
Danger of explosion	Product does not present an explosion hazard.
Density @ 20° C	1.398 g/cm ³
Solubility in / miscibility with water	Fully miscible.

10.0 STABILITY AND REACTIVITY

Thermal decomposition / conditions to avoid	No decomposition if used according to specifications.
Possibility of hazardous reactions	Reacts with various metals. Heating occurs when water is added. When diluting, always add acid to water, never vice versa. Reacts with water. Reacts with strong alkali.
Hazardous decomposition products	No dangerous decomposition products known.

11.0 TOXICOLOGICAL INFORMATION

Toxicity	Acute toxicity: · LD/LC50 values relevant for classification: 7664-93-9 sulphuric acid Oral LD50 2140 mg/kg (rat) Inhalative LC50 (0.5 h) 347 ppm (rat)
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LC50/4 h 510 mg/l (rat)

Primary irritant effect:

on the skin: Strong caustic effect on skin and mucous membranes.

on the eye: Strong caustic effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU

Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12.0 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic toxicity:

7664-93-9 sulphuric acid

EC 50 (24u) 29 mg/l (daphnia)

LC 50 (24u) 29 mg/l (daphnia magna)

LC 50 (96 u) =>500 mg/l (Brachydanio rerio)

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment: PBT: Not applicable, vPvB: Not applicable.

Bioaccumulative potential

Not worth-mentioning accumulating in organisms.

13.0 DISPOSAL CONSIDERATIONS

Disposal methods

Waste treatment methods: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

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Registered in England No. 04345865

14.0 TRANSPORT INFORMATION

ADR UN-Number: 2796
 Packaging group: II
 Hazard label 8
 UN proper shipping name: 2796 SULPHURIC ACID
 Tunnel restriction code E

15.0 REGULATORY INFORMATION

Labelling Please see Section 2.0.

16.0 Risk and safety phrases

C; Corrosive

H314: Causes severe skin burns and eye damage.
 R35 Causes severe burns.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S30 Never add water to this product.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Date of amendment	Reason for amendment
January 2013	Annual SDS review and update.
August 2015	Email change and review

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