
SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: Stain and Scale Inhibitor
Datasheet Number: 056 1. 2. 0
Chemical Name: METHYLENEPHOSPHONIC ACID
CAS No: 6419-19-8

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

Antiscalant for swimming pool, spa and hot tub water

1.3 Emergency telephone number 09062 655005

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2 Label Elements:

Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/attention.

P332+313: If skin irritation occurs: Get medical advice/attention.

P337+313: If eye irritation persists: Get medical advice/attention.

2.3 Other Hazards:

- This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

3.1 Substances:

Hazardous ingredients:

AMINO TRIS (METHYLENEPHOSPHONIC ACID) - REACH registered number(s): 01-2119487988-08

EINECS	CAS	PBT / WEL	CLP Classification	Percent
229-146-5	6419-19-8	-	Met. Corr. 1: H290; Eye Irrit. 2: H319	30-50%

PHOSPHOROUS ACID - REACH registered number(s): 01-2119488030-46

233-663-1	10294-56-1	-	Acute Tox. 4: H302; Skin Corr. 1A: H314	1-10%
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Contains: Mixture of listed substances with non hazardous additions.

4. First Aid Measures:

4.1 Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Rinse opened eye with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Open eyes wide apart. Get medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

- Eye bathing equipment should be available on the premises.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

- In combustion emits toxic fumes.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental Precautions

- Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

- Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

- See Section 8
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Section 7: Handling and storage

7.1 Precautions for safe handling

- Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
- Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

- No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

No data available.

DNEL / PNEC No data available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.



Respirator



Goggles



Gloves



Suit

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Solubility in water: Miscible

Relative density: 1.300

pH: <2

9.2 Other information

- No data available

Section 10. Stability and reactivity

10.1 Reactivity

- Stable under recommended transport or storage conditions.

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- Hazardous reactions will not occur under normal transport or storage conditions.

- Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

- Heat

10.5 Incompatible materials

- Strong oxidising agents. Strong acids.

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10.6 Hazardous Decomposition Products

- In combustion emits toxic fumes.

Section 11. Toxicological information

11.1 Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2000	mg/kg
DERMAL	RBT	LD50	>5000	mg/kg

Hazardous ingredients:

AMINO TRIS (METHYLENEPHOSPHONIC ACID)

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

PHOSPHOROUS ACID

ORL	MUS	LD50	1700	mg/kg
ORL	RAT	LD50	1895	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12. Ecological information

12.1 Toxicity

Ecotoxicity values:

Species	Test	Value	Units
DAPHNIA	48H EC50	297	mg/l

Hazardous ingredients:

AMINO TRIS (METHYLENEPHOSPHONIC ACID)

DAPHNIA	48H EC50	297	mg/l
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12.2 Persistence and degradability

- Not readily biodegradable.

12.3 Bioaccumulation Potential

- No bioaccumulation potential.

12.4 Mobility in soil

- Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

- This product is not identified as a PBT/vPvB substance.

12.6 Other Adverse Effects

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14. Transport information



Oxidising Agent



Environmentally Hazardous



Corrosive

14.1 UN Number

- 3265

14.2 UN Proper Shipping Name

- CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(AMINO TRIS (METHYLENEPHOSPHONIC ACID))

14.3 Transport hazard class(es)

- 8

14.4 Packing group

- III

14.5 Environmental hazards

- No

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14 .6 Special precautions for user

- See Section 7

14 .7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

15 Regulatory information

15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Not applicable.

15 .2 Chemical Safety Assessment

16 Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.