



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

1.1. Product Identifier

Product name Scalematic Scale Inhibitor

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

Identified uses	Raw material for industrial applications	Industrial uses [SU3]
	Uses advised against	Do not use for purposes other than those listed.

1.3. Details of the supplier of the safety data sheet

Supplier

Hygenex Ltd
The Fulcrum
Vantage Way
Poole
Dorset
BH12 4NU
UK
Tel : +44 (0)1202 731555
Fax : +44 (0)1202 731666
sales@hygenex.co.uk

1.4 Emergency telephone number

Emergency telephone Emergency contact number 01202 731555 (9am to 5pm Monday to Thursday, Friday 9am to 4:30pm excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service

SECCIÓN 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Not Classified

2.1..1 Classification according to Regulation

(CE) N.1272/2008)

Not Dangerous

2.2. Label elements

Labelling according to regulation (CE) n. 1272/2008 [CLP]

Hazard Pictograms: -

Warnings: -

Hazard statements -

Safety advice -

Additional information on hazards (EU) : not applicable

2.3. Other hazards

Other Hazards Risk of bone or dental fluorosis

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SECTION 3: Composition/information on ingredients

Substance	Con. %	REACH	Index	CAS	EINECS	Classification	Concentration limits specific, factors M
Sodium metaphosphate	100	--	--	13061-03-2	233-782-9	--	--

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	No specific measures required.
Skin contact	Rinse immediately with plenty of soap and water.
Eye contact	Rinse with water for a sufficient length of time and under the eyelids.
Ingestion	Drink lots of water
Inhalation	No likelihood of exposure.

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

Specific treatments	In case of accident or discomfort consult a physician (if possible show this safety data sheet).
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water, foam, CO ₂ or powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	None.
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5.3. Advice for firefighters

Special protective equipment for firefighters	None in particular
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid coming into contact with the product without PPE
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6.2. Environmental precautions

Environmental precautions	Avoid spilling of the product.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Collect avoiding dust formaton.
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6.4. Reference to other sections

Reference to other sections	Refer to sections 8 and 13 for more information
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with the product. At work do not eat or drink.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in a cool, dry place.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

General limit of exposure to dust, TRGS German 900 (2006) 3mg/m³ measured as part of alveolar capillary.

8.2. Exposure controls

Eye/face protection Safety glasses with side protection for chemical products (EN166).

Skin Protection Normal working clothing.

Hand protection Normal work gloves (EN347)

Respiratory protection Dust mask

Thermal hazards Not applicable

Environmental exposure Controls Follow general hygienic measures for handling chemicals.

Appropriate engineering controls Ensure adequate ventilation in the workplace.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Solid white, transparent.

Smell Odourless.

Olfactory threshold Not available.

pH ca. 5, 7 10°C (10 g/l)

Melting/freezing point 628°C

Initial boiling point and range Not applicable

Flammability point Not inflammable

Upper limits/lower flammability or explosive Not applicable

Vapour pressure Not applicable

Vapour density Not applicable

Relative density 2.58@20.5°C

Solubility Very soluble

Distribution coefficient n-octanol/water Not applicable

Auto -ignition temperature Not applicable

Viscosity Not applicable.

Explosive properties Not explosive

Oxidant properties It doesn't react with fuels

9.2. Other information

Other information None.

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None

10.2. Chemical stability

Stability Stable at under recommended storage and handling.

10.3. Possibility of hazardous reactions

Possibility of hazardous
Reactions None known

10.4. Conditions to avoid

Conditions to avoid None.

10.5. Incompatible materials

Materials to avoid None.

10.6. Hazardous decomposition

Products

Hazardous decomposition
products Stable products under normal conditions of use.

SECTION 11: Toxicological information

Acute toxicity Oral: LD50 2000 mg/kg (rat)

Irritation / corrosion skin Mildly irritating

Serious eye damage/

Eye irritation Not irritating

Respiratory or skin

sensitisation Does not cause sensitisation

Germ cell mutagenicity Irrelevant.

Carcinogenicity Irrelevant

Toxicity for the breeding No fact available

Specific target organ toxicity

(STOT): single exposure No fact available

Specific target organ toxicity

(STOT): repeated exposure No fact available

Danger aspiration No fact available

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Endpoint: LC50:> 100mg/l – Duration: 96h.

12.2. Persistence and degradability

Persistence and degradability Not available.

12.3. Bioaccumulative potential

Bioaccumulation potential Not bioaccumulation.

12.4. Mobility in ground

Mobility Not available.

12.5. Results of PBT and

vPvB assessment No PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods The residual product should be disposed of in compliance with the directive on waste 2008/98/EC as well as national and regional standards.

SECTION 14: Transport information

14.1. UN number Not classified.

14.2. UN proper shipping name Not classified.

14.3. Transport hazard class(es) Not classified

14.4. Packing group Not classified.

14.5. Environmental hazards No.

14.6. Special precautions for user Not classified.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code No relevant information.

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Legislative Decree 9 April 2008 no. 81 Implementation of Article 1 of Law August 3, 2007, n. 123 concerning the protection of health and safety in the workplace. 2008 Official Gazette No. SO 108, 30 April 2008, as amended.

15.2. Chemical safety assessment A chemical safety assessment is not required.

SECTION 16: Other information

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Key abbreviations and acronyms used

ADR	European Agreement concerning the international road transport of dangerous goods.
CAS	Chemical Abstracts Service (division of the American Chemical Society).
CLP	Classification, Labelling, Packaging.
DNEL	Derived level without effect.
EINECS	European Inventory of Existing Commercial Chemical Substances European.
IATA	Association for international air transport.
IMDG	International Maritime Code for Dangerous Goods.
LC50	Lethal concentration to 50 percent of test population.
LD50	Lethal dose to 50 percent of test population.
PNEC	Predicted No-Effect Concentration.
RID	Regulations concerning international carriage of dangerous goods by rail.
STE	Short term exposure.

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STEL	Short term exposure limit.
STOT	Organ – specific toxicity.
TLV	Threshold Limit Value

Bibliographical reference and the main data source

SDS	of the supplier.
ECHA	European Chemicals Agency

Evaluation method

Classification	Classified procedure
	Not classified as hazardous

List of hazards in section 3

Any appropriate training for workers

Lesson of progress about generic information risks to chemical agents.

This data sheet is in conformity with information received from our supplier

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 the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



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