

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Revision 0

Revision date 2015-03-23

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

1.1. Product identifier

Product name GLEEM.

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);

Description Automatic Dish Wash Powder.

1.3. Details of the supplier of the safety data sheet

Company Spectrum Industrial Limited
Address 19/24 Bedesway
 Bede Industrial Estate
 Jarrow
 Tyne & Wear
 NE32 3EG
Web www.spectrumindustrial.co.uk
Telephone 0191 4301111
Fax 0191 4837422
Email sales@spectrum-ind.co.uk
Email address of the competent person sales@spectrum-ind.co.uk

1.4. Emergency telephone number

Emergency telephone number 0191 4301111
 9.00 am - 5.00 pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC Xi; R37/38-41
 Symbols: Xi: Irritant.

Main hazards Irritating to respiratory system and skin. Risk of serious damage to eyes.

2.1.2. Classification - EC 1272/2008 Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Irrit. 2: H315 - Causes skin irritation.
 Eye Dam. 1: H318 - Causes serious eye damage.
 STOT SE 3: H335 - May cause respiratory irritation.

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2.2. Label elements

Precautionary Statement: Prevention	P102 - Keep out of reach of children. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.

Further information

Supplemental label information	EUH031 - Contact with acids liberates toxic gas.
Contains:	Chlorinated tri sodium phosphate. Sodium Metasilicate.

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Chlorinated Trisodium Phosphate		56802-99-4	234-307-8		20 - 30%	Xi; R36/37/38
Disphosphoric Acid, Tetrasodium Salt (Tetrasodium pyrophosphate)		7722-88-5	231-767-1	01-2119489794-17	1 - 10%	Xn; R22 Xi; R41
Sodium Metasilicate		10213-79-3	229-912-9	01-2119449811-37	1 - 10%	C; R34 Xi; R37

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Chlorinated Trisodium Phosphate		56802-99-4	234-307-8		20 - 30%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Disphosphoric Acid, Tetrasodium Salt (Tetrasodium pyrophosphate)		7722-88-5	231-767-1	01-2119489794-17	1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
Sodium Metasilicate		10213-79-3	229-912-9	01-2119449811-37	1 - 10%	Skin Corr. 1B: H314; STOT SE 3: H335;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Risk of serious damage to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Irritating to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	Irritating to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.

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

Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid raising dust. Ensure adequate ventilation of the working area. Wear suitable protective equipment. See section 8.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from. Acids.

7.3. Specific end use(s)

See section 1.2.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

WEL = Work place exposure limit.

8.1.1. Exposure Limit Values


Chlorinated Trisodium Phosphate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
Disphosphoric Acid, Tetrasodium Salt (Tetrasodium pyrophosphate)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Sodium Metasilicate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 6.22
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Powder
Colour	Pink
Odour	Chlorine
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	Not relevant
Evaporation rate	No data available
Flammability limits	Not relevant
Vapour Flammability	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Relative density	Not applicable.
Fat Solubility	No data available
Partition coefficient	Not relevant
Autoignition temperature	Not relevant
Viscosity	Not relevant
Explosive	Not relevant
Oxidising	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	Not relevant
Surface tension	No data available
Gas group	Not relevant
Benzene Content	Not relevant
Lead content	Not relevant
VOC (Volatile organic compounds)	Not relevant

Further information

	ph (diluted solution) 10.5 - 11.5 @ 1%.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid contact with: Acids.
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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

Chlorinated Trisodium Phosphate	Oral Rat LD50: 2000	
Disphosphoric Acid, Tetrasodium Salt	Oral Rat LD50: 1624 mg/kg	
Sodium Metasilicate	Oral Rat LD50: 1280 mg/kg	Oral Mouse LD50: 770 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Chlorinated Trisodium Phosphate	Fish LC50/96h: 0.0800 mg/l	
Disphosphoric Acid, Tetrasodium Salt	Daphnia EC50/48h: 1000.0000 mg/l	Fish LC50/96h: 1500.0000 mg/l
Sodium Metasilicate	Daphnia EC50/48h: 1700.0000 mg/l	

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Further information

Ecotoxicity

Not regarded as dangerous for the environment.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal of packaging

Containers must be recycled in compliance with national legislation and environmental regulations.


SECTION 14: Transport information

Hazard pictograms

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Hazard pictograms	
	
14.1. UN number	
	UN3262
14.2. UN proper shipping name	
	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate)
14.3. Transport hazard class(es)	
ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-
14.4. Packing group	
Packing group	III
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	80
Tunnel Category	(E)
IMDG	
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	864
Maximum quantity	100 kg
Packing Instruction (Passenger)	860
Maximum quantity	25 kg
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	Safety Data Sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
SECTION 16: Other information	
Other information	
Text of risk phrases in Section 3	The Risk Phrases/Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the Product (as listen in section 3) and NOT the product intself. For the Risk Phrases/Hazard Statements relating to this Product see Section 2. R22 - Harmful if swallowed. R34 - Causes burns.

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Other information

Text of Hazard Statements in Section 3	R36/37/38 - Irritating to eyes, respiratory system and skin. R37 - Irritating to respiratory system. R41 - Risk of serious damage to eyes.
	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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