



SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: **Thaumagen Super**
Datasheet Number: SP612 1. 1. 0
Product Part Number: SP612
Chemical Name: Alkyl BenzylAmmonium Chloride/ Disodium Metasilicate/ Primary Alcohol Ethoxylate

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
Address of Supplier: Unit 1, Pool Bank Business Park
High Street, Tarvin
Chester CH3 8JH
UK
Telephone: +44 (0)1829 740290
Fax: +44 (0)1829 741855
Responsible Person: Steve Carder
Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Eye Irrit. 2, H319
- Skin Irrit. 2, H315
- Classification (67/548/EEC, 1999/45/EC)
- Xi; R36/38
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



- Signal Word: Warning
- Symbols: GHS07

Hazard phrases

- Causes serious eye irritation.
 - Causes skin irritation.
-



2 Hazards identification (....)

Precautionary Phrases

- Keep out of reach of children.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Do not get in eyes, on skin, or on clothing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
Alkyl Benzyl Ammonium Chloride	1-10%	68424-85-1	270-325-2	R22, R34, H302, H314	GHS07, GHS05, Xn, C	
Disodium Metasilicate	1-10%	6834-92-0	229-912-9	R34, R37, H314, H335	GHS05, GHS07, C, Xi	
Primary Alcohol Ethoxylate	1-10%	68439-45-2		R22, R41, H302, H318	GHS05, GHS07, Xn, Xi	

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give 200-300mls (half pint) water to drink

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- Can cause damage to the skin
- In cases of severe exposure, breathing difficulty may develop
- In cases of severe exposure, gastro-intestinal disturbances may develop

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically



5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

- Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

- Wear protective clothing as per section 8
- Wear full protective clothing including chemical protection suit

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Do not allow to enter public sewers and watercourses
- Absorb spillage in dry sand

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Contain leaking liquid in earth or sand and remove to safe place when solid
- Seek expert advice for removal and disposal of all contaminated materials and wastes
- Place in appropriate container

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

- No information available.



8 Exposure controls/personal protection

8.1 Control parameters

Disodium Metasilicate

- WEL (short term) 0.5 ppm
- WEL (short term) 1.0 mg/m³

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection



Respirator



Goggles



Gloves



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Very small
- Appearance: Liquid
- pH 12.5
- Boiling point 100 °C
- Vapour pressure - not applicable
- Vapour density - not applicable
- Oxidising
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not applicable

9.2 Other information

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

- Avoid contact with acids and alkalis
- Keep away from strong oxidizing substances(S14)
- Avoid overheating

10.5 Incompatible materials



10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic fumes

11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, rat) 1153 (Disodium metasilicate) mg/kg
- LD50 (oral, rat) 200-2000 (Primary Alcohol) mg/kg
- LD50 (skin, rat) >2000 (Primary Alcohol) mg/kg

Inhalation

- May cause irritation

Contact with skin

- May cause irritation

Contact with eyes

- Can cause damage to the eyes
- May cause redness and irritation
- May cause redness and swelling

Ingestion

- The ingestion of significant quantities may cause burning sensation

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No information available

Mutagenicity

- No information available

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

- Biodegradable
- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water
- This substance is volatile



12 Ecological information (....)

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available

13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Uncontaminated material may be returnable. Contact supplier
- Dispose of contents/container to an authorised waste collection point

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

- Marine pollutant

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

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:

ADR Hazard Class:

Tunnel Code:

ADR UN No.:

ADR Packing Group:

Sea (IMDG)

Proper Shipping Name:

IMDG Hazard Class.:

IMDG UN No.:

IMDG Pack Group.:

Air (ICAO/IATA)

Proper Shipping Name:

ICAO Hazard Class.:

ICAO Un No.:

ICAO Packing Group.:



15 Regulatory information

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

- Refer to current ADR Regulations
- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK

15 .2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H302: Harmful if swallowed.; H314: Causes severe skin burns and eye damage.; H318: Causes serious eye damage.; H335: May cause respiratory irritation.; R22: Harmful if swallowed; R34: Causes burns; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.