

# Material Safety Data Sheet

**Product: Aquafloc BT**  
Sodium Metasilicate mixture

**Use:** Spray booth water treatment

Classified as hazardous as per Worksafe Australia criteria.

**Appearance:** White Powder

UN Number: 3253 Sodium trioxosilicate	DG Class: 8 Corrosive	Packaging Group: 2
Subsidiary Risk: None	Hazchem Code: 2 [X] EPG No.: 8A1	
Poisons Schedule: S5 Alkaline salts, pH > 11.5%		

R: 34 Causes burns  
 R: 37 Irritant to respiratory system  
 S: 24/25 Avoid contact with skin & eyes.  
 S: 36/37/39 Wear suitable gloves & eye/face protection

Solubility: Soluble in Water	Melting Point: No data	Boiling Point: No data
Vapour Pressure: Not available	Volatiles: < 5% Evaporation Rate: Not available	
Odour: Mild hydrocarbon odour	Vapour Density: Heavier than air	Flash Point: No data
Flammability Limits: 0.6 – 7.0% Hydrocarbon solvent	Auto-ignition Temp: No data	pH: 11.5

Other properties: Highly Alkaline. Will react vigorously or violently with acids, generating carbon dioxide. May absorb moisture from the air. Will absorb carbon dioxide from the air. Incompatible with acid salts. In moist air may react with aluminium, tin or zinc, generating hydrogen, a flammable gas.

**Ingredients:**

Sodium Metasilicate Pentahydrate	(CAS 10213-79-3) 10 – 30 %	
Other alkaline salt	(CAS 64742-48-9	> 60%
Hydrocarbon solvent		< 10%

**Health Effects**

Information relates to individual ingredients contained in No-Foam Xtra. No data is available for the mixture.

**Swallowed** - Corrosive to mouth, throat and gastrointestinal system. Small quantities may cause gastric Upset. Larger quantities may cause pain, ulceration and/or bleeding from the stomach, Duodenum or small intestine, with possible shock and collapse.

**Skin contact** - Corrosive, causes burns

**Eyes** - Corrosive causes burns. Possible risk of serious eye damage.

**Spray Booth & Waste SAW Pty Ltd**

Factory: 45A & B AMBERLEY CRES DANDENONG 3175 All correspondence: P.O. Box 4367 DANDENONG Vic 3175  
 Phone: (03) 9794 9498 Fax: (03) 9794 0337

**Health Effects cont.**

**Inhalation** - Dust will irritate the respiratory tract and may cause pulmonary oedema. Onset of symptoms may be delayed.

**Chronic** - Repeated skin contact may cause chemical burns & inflamed skin.

**First Aid Facilities Recommended:** Have eyewash readily available. Hand washbasin highly recommended.

**Note to Doctor**

Aquafloc BT is a mixture of alkaline salts, containing a moderate proportion of sodium metasilicate. Do NOT induce vomiting. Causes burn. Irritating to respiratory system. Inhalation of dust may lead to delayed onset pulmonary oedema. If swallowed, may cause ulceration and/or bleeding in gastro-intestinal tract. Poisons Information Centre can be contacted on 13 1126.

**First Aid**

**Swallowed:** Do NOT induce vomiting. Give a glass of water

**Skin:** Remove contaminated clothing and wash skin thoroughly.

**Eyes:** Hold eyes open and flood with water for at least 15 minutes and see a doctor.

**Inhalation:** Remove to fresh air & keep warm. In severe cases, seek medical advice.

**Precautions for Use**

Adequate ventilation is required when using (same as outdoors). Local mechanical exhaust/extraction is recommended where industrial quantities are used or where dust/spray/mist is a problem. Do not use aluminium, zinc, or tin as materials of construction.

**Exposure Limits:** Set by National Occupational Health & Safety Commission (Worksafe Australia)

**TLV-TWA:** None (but see- Nuisance Dusts) 10 mg/m<sup>3</sup>      **TLV-STEL:** None assigned

**Personal Protection:**

It is recommended to avoid contact with skin and eyes and to avoid breathing spray/mist. The following personal protection may be used according to circumstances: Face shield or safety glasses, dust mask, rubber or plastic gloves, plastic apron, long sleeves, booths, impervious overalls

**CAUTION:** Cotton overalls impregnated with oxidising agents may be readily ignited and can burn fiercely.

**Flammability:** Not flammable.

**Storage & Transport**

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Storage temperature: Room temperature

UN Class: 8 Corrosive

Packaging Group: 3

EPG Number: 8A1

UN Number: 3253 Disodium trioxosilicate, including the pent hydrate

Shipping Name: Disodium trioxosilicate mixture

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**Storage & Transport cont.**

Refer to The Australian Code for the Transport of Dangerous Goods by Road and Rail & State Dangerous Goods (storage & handling) Regulations.

**Storage:** Store in a cool, well-ventilated area. Large quantities should be stored in a dangerous goods store. Keep away from acids, acid salts, aluminium, tin & zinc.

**Spills & Disposal**

Note: Spillages will be very slippery. Contain using sand or earth. Transfer to container. Wash site of spill thoroughly with water and detergent. For large spillages – inform others to keep a safe distance and shut off any source of possible ignition. After transferring to container, arrange removal by Disposals Company.

**Fire/Explosion Hazard**

Not flammable. Will react violently with acids and acid salts, generating carbon dioxide. Contact with ammonium compounds may generate ammonia, a toxic gas. Contact with aluminium, tin or zinc may generate hydrogen, a flammable gas.

**Decomposition Products**

Carbon dioxide, water vapour, sodium silicate.

In the case of small fire or explosion use: Water.

In the case of major emergency:

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HAZCHEM CODE:	2 [X]	Extinguishant:	Water fog or fine water spray
Danger of violent reaction or explosion?	No		
Protective clothing:	Full protective clothing, breathing apparatus & protective gloves.		
Appropriate measures:	Contain	Evacuate?	Not required

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**Environmental Information**

To protect our environment, prevent spills from entering drains and waterways.

Poisons Information Centre: Ph. 13 1126

Emergency Services: Ph: 000

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