

Material Safety Data Sheet

Product: Aqua-floc 600

A mixture of inorganic salts containing sodium nitrate

Use: Spray booth water treatment

Classified as hazardous as per Worksafe Australia criteria.

Appearance: Fawn Powder

UN Number: 1500 Sodium Nitrite	DG Class: 5.1 Oxidiser	Packaging Group: 3
Subsidiary Risk: 6.1 Toxic	Hazchem Code: 1 [Z]	EPG No.: 5B2
Poisons Schedule: S5 Sodium Nitrate less than 1%		

- R: 8 Contact with combustible material may cause fire
- R: 25 Toxic if swallowed
- R: 31 Contact with acids liberates toxic gas.
- R: 41 Risk of serious damage to eyes
- S: 22 Do not breathe dust
- S: 45 In case of accident or feeling unwell, seek medical advice

Solubility: Soluble in Water	Melting Point: No data	Boiling Point: Not applicable
Vapour Pressure: Not available	Volatiles: less than 5%	Evaporation Rate: Not available
Odour: slight hydrocarbon odour	Vapour Density: Heavier than air	Flash Point: No data
Flammability Limits: 0.6 – 7.0% (hydrocarbon content)	Auto-ignition Temp: No data	pH {10% in water}: 8.0

Other properties: Alkaline. Will react vigorously or violently with acids, generating carbon dioxide and oxides of nitrogen. May absorb moisture from the air. May decompose slowly on contact with air. Mixtures with inorganic materials may present a fire risk.

Ingredients:

Sodium Nitrite	(CAS 7632-00-0)	10 – 30 %
Aluminium Sulphate	(CAS 7784-31-8)	10 – 30%
Naphtha (petroleum)	(CAS 64742-48-9)	< 5%
Iron (II) Sulphate	(CAS 7782-63-0)	< 5%
Other ingredients		to 100%

Health Effects

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

- Swallowed - Toxic if swallowed. May cause nausea, vomiting, decreased blood pressure &/or increased pulse rate, blood changed, possible coma.
- Skin contact - May cause irritation
- Eyes - Severe eye irritant. Risk of serious damage to the eyes.
- Inhalation - May cause irritation to the respiratory tract and possible similar effects to being swallowed

Spray Booth & Waste SAW Pty Ltd

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 Phone: (03) 9794 9498 Fax: (03) 9794 0337

Chronic - Sodium nitrate may react in the body with organic amines to form carcinogenic nitrosamines..

LD Lo Sodium Nitrite - 71 mg/kg oral

First Aid Facilities Recommended: It is essential to have eye wash readily available. Hand wash basin highly recommended. Ipecac Syrup APF is useful in cases where vomiting has to be induced.

Note to Doctor

Aquafloc 600 is a mixture of inorganic salts, alkaline in nature. It contains moderate proportions of sodium nitrite. Toxic if swallowed. Risks include serious damage to eyes, lowered blood pressure, possible increase in pulse rate, dilation of arteries or veins & blood methaemoglobinaemia-carboxhaemoglobinaemia. Poisons Information Centre can be contacted on 13 1126.

First Aid

Swallowed: Induce vomiting if more than 15 minutes from hospital preferably using Ipecac Syrup APF.

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, copper or its alloys, or iron as materials of construction.

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

<u>TLV-TWA:</u> Aluminium sulphate	2 mg/m ³	<u>TLV-STEL:</u> None assigned
Iron (II) sulphate	1 mg/m ³	

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

Storage temperature: Room temperature

Packaging Group: 3

EPG Number: 5B2

UN Class: 5.1 Oxidiser

UN Number: 1500 Sodium nitrite

Shipping Name: Sodium Nitrite mixture

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

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Storage & Transport cont.

Storage: Store in a cool, well ventilated area. Large quantities should be stored in a dangerous goods store. Keep away from other oxidising agents, acids, aluminium, copper, iron, organic or combustible materials.

Spills & Disposal

Spillages may be slippery when wet. Absorb using inert absorbent. Wash off area with detergent & water. For Large spills - Contain using sand or earth. Transfer to container and arrange removal by a waste disposal company.

Fire/Explosion Hazard

Not flammable. Oxidiser, will support combustion. Contact with organic or combustible material may cause fire. Contact with acids may generate carbon dioxide and oxides of nitrogen. Incompatible with other oxidising agents.

Decomposition Products

Oxides of sulphur, ammonia, carbon dioxide, oxides or nitrogen, water vapour.

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

In the case of major emergency:

HAZCHEM CODE:	1 [Z]	Extinguishant:	Water jets
Danger of violent reaction or explosion?	No		
Protective clothing:	Breathing apparatus & protective gloves for fire only.		
Appropriate measures:	Contain	Evacuate?	Not required

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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