



Clayton Thermal Products Ltd.,  
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## Safety Data Sheet For Clayton A4 Water Treatment

Date of Preparation	13 <sup>th</sup> August 1999
Date of Revision	1st February 2007
<b>1) MANUFACTURER AND PREPARATION IDENTIFICATION.</b>	
i) Manufacturer	Clayton of Belgium N.V. Rijksweg 30 B-2880 Bornem ( Belgium) Tel. ++ 32 3 890 57 00 Fax ++ 32 3 890 57 01
ii) Preparation commercial name part number	A4 - compound 0203244 ( 2 x 12.5 kg bags in carton )
Telephone number in case of emergency ( to be used by the doctor)	Anti-poison centre (Belgium) Tel. ++ 32 70 245 245
<b>2) COMPOSITION AND INFORMATION ABOUT THE INGREDIENTS.</b>	
i) Chemical characteristics	Powder mixture of sodium sulphite and trisodium phosphate. CAS N° 007601-54-9 (trisodium phosphate) CAS N° 007757-83-7 (sodium sulphite) EC N° 231-509-8 (trisodium phosphate) EC N° 231-821-4 (sodium sulphite)
<b>3) HAZARDOUS IDENTIFICATION</b>	
	When dispersed, the product can be irritating to eyes, skin and respiratory system.



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4) FIRST AID MEASURES		
i)	General	In case of doubt or persistent symptoms, call a physician. Remove victim into fresh air. Allow the affected person to rest. Seek medical attention if irritation develops. Remove contaminated clothing. Rinse immediately with plenty of water. (shower if necessary). Obtain medical attention if irritation of skin develops. Rinse immediately thoroughly and long (at least 15 min.) with plenty of water. Consult eye doctor. <b>DO NOT INDUCE VOMITING.</b> Rinse mouth with water. Give water to drink. Allow the affected person to rest. Consult doctor.
ii)	After Inhalation	
iii)	After Skin Contact	
iv)	After Eye Contact	
v)	After Ingestion	
5) FIRE FIGHTING MEASURES		
i)	Extinguishing Media	Incombustible product. In case of nearby fire, the use of all extinguishing media is allowed.
	Suitable	
ii)	Special Exposure Hazard	
iii)	Special Protective Equipment for Fire-fighters	Use self-contained breathing apparatus when in close proximity to fire.
6) ACCIDENTAL RELEASE MEASURES		
i)	Personal precautions	Ventilate area. Avoid breathing powder and contact with skin and eyes. Wear recommended personal protective equipment. (See section 8)
ii)	Methods for clearance	Collect the spillage in closable, suitable disposal containers. Residue is to be washed down with plenty of water.



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7) HANDLING AND STORAGE.	
i) Handling	Avoid dust creation. Avoid breathing powder. Ventilate area. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See section 8)
ii) Storage	Dry area. Keep away from oxidizing agents, acids (creation of Sulphur Dioxide). Keep container tightly closed.
8) EXPOSURE CONTROLS AND PERSONAL PROTECTION.	
i) Engineering measures to reduce exposure	Ventilate area
ii) Industrial hygiene	Do not eat, drink or smoke when using the product. Keep separated from food. After contact, wash the hands immediately. Emergency eye wash fountains and showers should be available in the immediate vicinity of any potential exposure.
iii) Occupational exposure limits	No data available
iv) Personal protection	
a) Respiratory protection	Local exhaust, respiratory protection equipment (respirator P2)
b) Hand protection	Gloves.
c) Eye protection	Chemical Goggles
d) Skin and body protection	Suitable protective clothing
9) PHYSICAL AND CHEMICAL PROPERTIES	
i) Physical state (20°C)	Powder
ii) Colour	White
iii) Odour	Odourless
iv) PH-value	11 - 12 (5% solution, 20°C)
v) Congealing/Melting point	> 600°C (decomposes)
vi) Density (20°C)	1.15-1.17 kg / litre
vii) Flash point (cc)	Not applicable



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viii)	Explosion limits in air	Not applicable
ix)	Solubility in water	Approx 200 g/litre
10)	STABILITY AND REACTIVITY.	
i)	Stability	Stable at normal circumstances.
ii)	Dangerous decomposition products	If temperature is > 600 °C, toxic and stinging vapours (Sulphur Dioxide) may form
11)	TOXICOLOGICAL INFORMATION	
i)	Acute toxicity	
ii)	Inhalation	May cause irritation of respiratory tract. May cause lung oedema. In serious cases, may cause death. Symptoms include: cough, sore throat and shortness of breath.
iii)	Contact with the skin	May cause irritation Symptoms include: redness and pain.
iv)	Contact with the eyes	May cause irritation. Symptoms include: pain, redness and bad vision
v)	Ingestion	Symptoms include: abdominal cramps, diarrhoea, vomiting.
vi)	Other toxicological information	Symptoms of lung oedema mostly reveal after a few hours, intensified by physical effort
12)	ECOLOGICAL INFORMATION	
i)	Mobility	Product soluble in water.
ii)	Ecotoxicity	Undiluted product or large quantities of product may not be discharged in surface waters or in sewers. Weak water pollutant (WGK1)
13)	DISPOSAL CONSIDERATIONS	
i)	Waste from residues	The product has to be destroyed according to the national or local legislation, by a company specialised in handling hazardous waste products.
ii)	Removal of the packaging	Packing is to be used exclusively for the packing of this product. After use, empty the packaging very carefully.



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14) TRANSPORT INFORMATION	
i) Transport by rail or by road (ADR/RID)	The product is not mentioned on the list of dangerous products for transport on the road.
15) REGULATORY INFORMATION.	
i) Name of dangerous component	Trisodium phosphate anhydrous.
ii) Danger symbol	Irritant (Xi)
iii) R-phrases	R36/38 - irritating to eyes and skin
iv) S-phrases	S24/25 - Avoid contact with skin and eyes
16) OTHER INFORMATION.	
This safety sheet has been drawn up in accordance with the EEC directive 93/112/EEG	

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as recommendation to use any product in conflict with existing patents covering any material or its use.