



Material Safety Data Sheet

Accepta 2072

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2072
Application:	Boiler Water Oxygen Scavenger: Simple Sulphite
Company Identification:	Accepta Ltd. Quay West Trafford Wharf Road Manchester M17 1HH United Kingdom
Office telephone number:	+44 (0) 161 240 2100
Office fax number:	+44 (0) 870 135 6389
Emergency Telephone Number:	+44 (0) 161 240 2100

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION: Water, Sodium bisulphite

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
7631-90-5	2315480	Sodium bisulphite	30 - 40	Xn	22, 31, 37

3. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS: Acute

INHALATION: Irritating to respiratory system. May cause tightness in the chest with shortness of breath and/or coughing and a sore throat. Repeated or prolonged inhalation exposure may cause asthmatic reactions. May cause pulmonary oedema.

SKIN CONTACT: Can cause mild irritation.

EYE CONTACT: Can cause mild irritation.

INGESTION: Harmful if swallowed. There may be irritation to the gastro-intestinal tract with nausea and vomiting.

HUMAN HEALTH HAZARDS - CHRONIC: Chronic exposure to sulphites may cause symptoms of upper respiratory disease and affect sense of taste and smell. Sulphites can cause an allergic reaction in sensitive individuals.

ENVIRONMENTAL HAZARDS: Depletes oxygen content in water courses.

PHYSICAL AND CHEMICAL HAZARDS: Contact with acids liberates toxic gas.



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4. FIRST AID MEASURES

INHALATION: Remove to fresh air, rest, treat symptomatically. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash off affected area immediately with plenty of water. If skin irritation persists, obtain medical attention.

EYE CONTACT: Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention.

INGESTION: Do not induce vomiting without medical advice. If conscious wash out mouth and give 500ml of water to drink. Obtain medical attention.

ADDITIONAL INFORMATION: If unconscious do not give anything by mouth, place in the recovery position, check breathing and pulse. If necessary give artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARD: May evolve oxides of sulphur under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Use personal protective equipment recommended in Section 8

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

METHODS FOR CLEANING UP:

Contain and absorb with sand or vermiculite and mix well. Collect up and remove to a safe place until disposal. Wash site of spillage thoroughly with water. Assistance can be obtained from waste disposal companies.



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7. HANDLING AND STORAGE

HANDLING: Do not breathe vapour. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid generating aerosols and mists. Avoid breathing vapors from headspace of newly opened containers.

STORAGE CONDITIONS: Protect from freezing. Keep container tightly closed in a cool, well-ventilated place. Store separately from acids. Storage for more than 18 months is not recommended. Avoid use of brass, carbon steel, cast iron and nylon.

CONSTRUCTION MATERIAL COMPATIBILITY: Compatible with:
Equipment for storage and application should be constructed from stainless steel, polypropylene, polyethylene, PVC, acrylic resin, butyl rubber, nitrile rubber, natural rubber, neoprene, viton, ethylene propylene rubber, epoxy resin or polyester elastomers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

NATIONAL REGULATIONS UK: Sodium bisulphite: OES 5 mg/m³ (TWA),

Sulphur dioxide: OES 2ppm (TWA), OES 5ppm(STEL)

NATIONAL REGULATIONS SWITZERLAND: Sodium bisulphite: TWA 5 mg/m³ (total dust)

NATIONAL REGULATIONS FRANCE: Sodium bisulphite: VME 5 mg/m³

NATIONAL REGULATIONS HOLLAND: Sodium bisulphite: MAC TGG 5 mg/m³

NATIONAL REGULATIONS NORWAY: Sodium bisulphite: TLV 5 mg/m³

NATIONAL REGULATIONS DENMARK: Sodium bisulphite: TWA 5 mg/m³

ENGINEERING MEASURES: Use general ventilation with local exhaust ventilation.

RESPIRATORY PROTECTION: An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Sulphur dioxide rich air will be displaced when refilling stock tanks. If it is necessary to remain near to the container at such times and the area is poorly ventilated an approved respirator should be worn.

HAND PROTECTION: PVC gloves, Butyl gloves, Nitrile gloves or Neoprene gloves.

SKIN PROTECTION: Standard protective clothing.

EYE PROTECTION: Chemical splash goggles.:

HYGIENE RECOMMENDATIONS: Keep an eye wash fountain available. Keep a safety shower available. Wash hands at breaks and at the end of the shift. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM: Liquid

COLOUR: Pink

ODOUR: Pungent

RELATIVE DENSITY: @20 °C 1.315 - 1.350

SOLUBILITY IN WATER: Complete

pH (neat, 20°C): 3.9. - 4.9

FREEZING POINT: < 0°C

Abbreviation: NE = not evaluated, NA = not applicable, NR = not relevant



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10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions

CONDITIONS TO AVOID: Freezing temperatures.

MATERIALS TO AVOID: Acids. Contact with acids liberates toxic gas. Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May evolve oxides of sulphur under fire conditions.

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA: The following results are for the active ingredients.

ACUTE LETHALITY VALUES:
Sodium bisulphite Oral (rat) LD 50 = 2000 mg/kg

PRIMARY (DRAIZE TEST) SKIN/EYE:

12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

MOBILITY AND BIOACCUMULATION POTENTIAL: No bioaccumulation expected

ECOTOXICOLOGICAL EFFECTS: The following results are for a similar product
LC 50/96H/Lepomis macrochirus (Bluegill Sunfish)= 100 - 1000 mg/l
LC 50/96H/Oncorhynchus Mykiss (Rainbow Trout)= 100 - 1000 mg/l

ADDITIONAL ECOLOGICAL DATA: Depletes oxygen content in water courses.



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13. DISPOSAL CONSIDERATIONS

Via authorized contractor. If this product becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code.

NATIONAL REGULATIONS UK In accordance with the Environmental Protection (Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

14. TRANSPORT INFORMATION

Class: 8 Packing Group: III. UN No. 2693
Proper shipping name: BISULPHITES, AQUEOUS SOLUTION, N.O.S.
Contains: Sodium bisulfite
ADR/RID, H.I.n.: 80
EmS-Nr.: 8-08

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: Harmful



Xn, HARMFUL

Contains: Sodium bisulphite

RISK PHRASES: R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R37 Irritating to respiratory system.

SAFETY PHRASES: S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 1 Classification according VwVwS v. 17.05.99, Anhang 4

TA-Luft: -

Berufsgenossensch. Vorschriften: None

Hinweise zur Beschäftigungsbeschränkung: None

NATIONAL REGULATIONS UK COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (Ref.XnXiGR).

NATIONAL REGULATIONS FRANCE: Tableau des maladies professionnelles n°66A.



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16. OTHER INFORMATION

Emergency Telephone Number +44 (0) 161 240 2100