

**1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY**

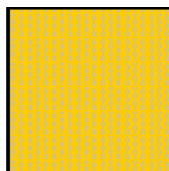
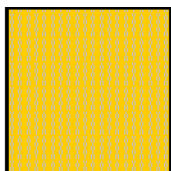
**Product Name**           **2501**  
**Application**            A multipurpose liquid treatment for steam raising plant.

**Supplier**               **ACCEPTA LTD**  
 STATHAM HOUSE, TALBOT ROAD,  
 OLD TRAFFORD, MANCHESTER,  
 M32 0FP

Tel: 0161 877 2334  
 Fax: 0870 135 63 89

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
Sodium Metabisulphite	7631-90-5	5 - 15%	231-548-0	Xn-Harmful,	R22, R31, R36/37, ,
Caustic soda	00131 0-73-2	5 - 15%	215-185-5	C-Corrosive,	R35, , , ,
Sulphonated polymer	Polymer	1 - 5%	Polymer not listed	Nil hazard,	, , , ,
Cobalt sulphate heptahydrate	10124-43-3	<0.1%	233-334-2	T-Toxic,	R49, R22, R42/43, R50/53,

**3. HAZARDS IDENTIFICATION**

Physical / chemical hazards:       Corrosive  
 Environmental Hazards:            Nil  
 Human health hazards:            Causes severe burns

**4. FIRST AID MEASURES**

**Ingestion:**            Causes severe burns to mouth, gastrointestinal tract and stomach.  
 Wash out mouth with water then drink plenty of water. Do not induce vomiting. Obtain medical attention and show this datasheet,

**Inhalation:**           If inhaled as an aerosol severely irritating to respiratory tract.  
 Remove to fresh air. Obtain medical advice .

**Skin contact:** Irritation and redness of skin. Possible blistering  
 Wash with soap and water. Remove contaminated clothing for washing. Consult doctor in accordance with symptoms.

**Eye contact:** Severe pain. Corneal burns may occur  
 Immediately rinse eye with sterile water for 20 minutes. Seek medical advice.

**Notes to doctor:**       None

## 5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Extinguishing media:	Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media:	None
Hazardous decompositions:	Decomposition generates oxides of carbon (CO and CO <sub>2</sub> ) and sulphur (SO <sub>2</sub> ).
Protective equipment:	Protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear full protective equipment - gloves, eye/face protection and overalls. Ensure sufficient air supply.
Environmental precautions:	Do not allow to enter water courses. Uncontrolled discharges must be alerted to the Environment agency or other appropriate body.
Methods of clean up:	Small spillages can be flushed to foul drain. Larger spillages should be contained, adsorbed onto inert material and collected into suitable plastic containers. Clearly label. Disposal should be handled by a licensed contractor in accordance with Waste Disposal regulations.

## 7. HANDLING AND STORAGE

Handling:	Avoid direct contact with product. Before eating, drinking or smoking wash hands with soap and water.
Storage:	Store above 10 C. Do not allow to freeze. Ensure that the container is firmly secure when not in use.
Shelf life:	>12 months
Suitable packaging:	Polyethylene, polypropylene and stainless steel containers.
Unsuitable packaging:	Aluminium, tin, zinc, lead, brass, copper and alloys containing the above.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: Substance:	Sulphur dioxide	
<small>EH40/2005</small> Long term WEL (8 Hr):	2 ppm	5.3 mg/m <sup>3</sup>
Short term WEL (15 min):	5 ppm	13 mg/m <sup>3</sup>

Engineering measures:	Caustic - resistant floor necessary.
Respiratory protection:	Not applicable unless aerosol formation possible, in which case appropriate respiratory protection must be worn.
Skin, hand and body protection:	Overalls, boots and rubber gloves.
Eye protection:	Chemical goggles or face shield.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solution	Boiling point (C):	
Colour:	Pale pink	Decomposition temp (C):	Decomposes on heating
Odour:	Slight	Specific Gravity:	1.145
Molecular weight:		Solubility:	Completely miscible
pH:	>12	Flash point (C):	

## 10. STABILITY AND REACTIVITY

- Stability: Stable under normal conditions.
- Thermal decomposition: Decomposition generates oxides of carbon (CO and CO<sub>2</sub>) and sulphur (SO<sub>2</sub>).
- Conditions to avoid: Avoid temperature extremes.
- Materials to avoid: Soft metals (aluminium, zinc etc) and strong acids.
- Hazardous reactions: Reacts with acids.
- Decomposition products: Decomposition generates oxides of carbon (CO and CO<sub>2</sub>) and sulphur (SO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

- Acute toxicity: Oral; Sodium bisulphite LD50 (oral/rat) 2.0 g/Kg  
Dermal: Sodium bisulphite Irritant  
Inhalation: Mists or sprays irritating to respiratory system  
Eye: Irritant
- Other data: Sulphur dioxide fume will aggravate asthma.

## 12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Sulphites react in the environment to form sulphates.

Ecotoxic effects: Sulphite will deplete oxygen from water courses. Cobalt does not present a serious ecological hazard at low concentrations. However, cobalt is concentrated by animals and aquatic organisms.

Other data: Low concentrations of cobalt (up to 30 ppm) may have adverse effects on activated sludge systems.

## 13. DISPOSAL CONSIDERATIONS

Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.

Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

## 14. TRANSPORT INFORMATION

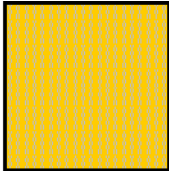
UN No.: 1760 Proper shipping name: PROPER SHIPPING NAME - CORROSIVE LIQUID, N.O.S. (contains sodium hydroxide)

Mode	Regulation	Class	Packing group	Ems No.	Stowage	Code	Subsidiary risk
Road/Rail	European - ADR/RID	8	III				
Sea	IMO / IMDG						
Air	ICAO / IATA						

## 15. REGULATORY INFORMATION (Classification and labelling according to UK CHIP Regs/EEC Directive 88/379/EEC)

### Risk Phrases

R34 Causes burns



### Safety phrases

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

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

## 16. OTHER INFORMATION

The above information is based on current knowledge of the product at the time of publication and is given in good faith.

It is believed to be correct but does not purport to be all-inclusive and shall therefore be used only as a guide. ACCEPTA LTD implies no warranty with respect to the quality, specification or the suitability of the product. The client/user must completely satisfy themselves that the product is entirely suitable for the intended purpose.

In no event shall ACCEPTA LTD be held liable for any injury, loss or damage, to persons, plant or equipment or loss of production/sales resulting from its use or storage.

The information contained in this SDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in the SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits detailed in section 8 are not being exceeded.

References: The Carriage of Goods by Road and Rail Regulations.

The Control of Substances Hazardous to Health Regulations (COSHH).

The Chemicals Hazard Information and Packaging Regulations (CHIP).