

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **ACCEPTA 2534**

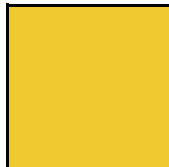
Application A liquid corrosion inhibitor for the protection of closed systems.

Supplier **ACCEPTA LTD**
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2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No | % (active) | EINECS-No. | Symbols | R-phrases |
|----------------|------------|------------|------------|--------------|---------------------|
| Sodium Nitrite | 7632-00-0 | 20 - 50% | 231-555-9 | T-Toxic, | R8, R25, , , |
| Borax | 1330-43-4 | <5% | 215-540-4 | Nil hazard, | , , , , |
| PBTC | 37971-36-1 | <5% | 253-733-5 | C-Corrosive, | R34, , , , |
| Benzotriazole | 95-14-7 | <5% | 202-394-1 | Xn-Harmful, | R22, R36/37/38, , , |
| | | | | , | , , , , |
| | | | | , | , , , , |

3. HAZARDS IDENTIFICATION



Physical / chemical hazards: Toxic

Environmental Hazards: Toxic to wildlife and fish

Human health hazards: Toxic if swallowed

4. FIRST AID MEASURES

Ingestion: Toxic if swallowed. May cause nausea, headache, dizziness, weakness and shortness of breath. In severe cases methaemoglobinaemia may occur and could prove fatal.

Provided the patient is conscious, wash out mouth with water and give water to drink. Oxygen may be beneficial. Obtain medical advice.

Inhalation: No known ill effects

Not applicable

Skin contact: Irritation and redness of skin. Soreness on prolonged contact.

Wash with soap and water. Remove contaminated clothing for washing. Consult doctor in accordance with symptoms.

Eye contact: Irritating to eyes

Immediately rinse eye with sterile water for 10 minutes. If irritation persists, seek medical advice.

Notes to doctor:

Product contains sodium nitrite. Methaemoglobin may be formed after severe exposure to sodium nitrite. Administer oxygen if there are signs of cyanosis.

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 ₂) and nitrogen (NO _x). |
| 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 should be flushed with water to a foul drain. Large spillages should be controlled and collected into a plastic container (s), clearly labelled. Spoiled product should be disposed of via an approved waste disposal contractor. |

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 containers. |
| Unsuitable packaging: | Metals and alloys. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | | | |
|---------------------------------|--|--|-------------------|
| Exposure limits: | Substance: | No materials present that are listed in EH40/2005. | |
| | Long term WEL (8 Hr): | ppm | mg/m ³ |
| | Short term WEL (15 min): | ppm | mg/m ³ |
| 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 straw | Decomposition temp (C): | Decomposes on boiling |
| Odour: | Slight | Specific Gravity: | 1.33 |
| Molecular weight: | | Solubility: | Completely miscible |
| pH: | >10 | Flash point (C): | |

10. STABILITY AND REACTIVITY

- Stability: Stable under normal conditions.
- Thermal decomposition: Decomposition generates oxides of carbon (CO and CO₂) and nitrogen (NO_x).
- 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 CO₂) and nitrogen (NO_x).

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

- Acute toxicity: Oral; Sodium nitrite LD50 (oral/rat) 85 mg/kg
Dermal: Sodium nitrite Draize test 500 mg/24 H (mild)
Inhalation: Harmful
Eye: Irritant
- Other data: The calculated oral toxicity is 213 mg/kg (oral/rat), based on the sodium nitrite concentration.

12. ECOLOGICAL INFORMATION

- Biodegradability and persistence: Organic components biodegradable.
- Ecotoxic effects: Toxic to aquatic life.
- Other data: Nitrite substantially removed by biological treatment process.

13. DISPOSAL CONSIDERATIONS

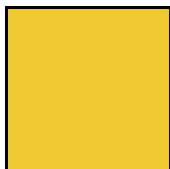
- Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.
- Packaging disposal: Plastic drums will be collected by supplier for recycling. Damaged containers should be destroyed by cutting up or incineration. Empty containers must not be used for potable water.

14. TRANSPORT INFORMATION

- UN No.: 3287 Proper shipping name: PROPER SHIPPING NAME - TOXIC LIQUID, INORGANIC, N.O.S. (contains sodium nitrite)

| Mode | Regulation | Class | Packing group | Ems No. | Stowage | Code | Subsidiary risk |
|-----------|--------------------|-------|---------------|---------|---------|------|-----------------|
| Road/Rail | European - ADR/RID | 6.1 | 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

R25 Toxic if swallowed

Safety phrases

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

S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheet

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).