

**SAFETY DATA SHEET**

ACCEPTA 9221

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Issued: 21/02/02

Revision No: 2

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING****Product name:** ACCEPTA 9221**CAS number:** 7727-21-1**EINECS number:** 231-781-8**Product code:** 9221**Synonyms:** POTASSIUM PERSULPHATE**Use / description of product:** Oxygen based shock sanitiser for pool and spa water.**Company name:** Accepta Ltd

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**2. COMPOSITION / INFORMATION ON INGREDIENTS****Hazardous ingredients:** POTASSIUM PERSULPHATE >90%

EINECS: 231-781-8 CAS: 7727-21-1

[O] R8; [Xn] R22; [Xi] R36/37/38; [Sens.] R42/43

**3. HAZARDS IDENTIFICATION****Main hazards:** Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.**4. FIRST AID MEASURES (SYMPTOMS)****Skin contact:** There may be irritation and redness at the site of contact. Burns may occur.**Eye contact:** There may be irritation and redness. Corneal burns may occur.**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. Damage to liver and kidneys may develop later.**Inhalation:** There may be congestion of the lungs causing severe shortness of breath. Absorption through the lungs can occur causing symptoms similar to those of ingestion.**4. FIRST AID MEASURES (ACTION)****Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.**Ingestion:** Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Water.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** POTASSIUM PERSULPHATE  
WEL (8 hr exposure limit): 1 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Dust mask recommended. Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Solid

**Colour:** White

**Odour:** Odourless

**Oxidising:** Oxidising (by EC criteria)

**Solubility in water:** Soluble

**Boiling point/range°C:** N/A

**Melting point/range°C:** N/A  
**Flash point°C:** N/A  
**Relative density:** 10000.000 kg/m<sup>3</sup>  
**pH:** 2.5 (0.5% solution)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Direct sunlight. Heat. Humidity.  
**Materials to avoid:** Organic materials. Reducing agents. Combustible materials.  
**Haz. decomp. products:** In combustion emits toxic fumes of sulphur oxides.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** POTASSIUM PERSULPHATE  
ORL RAT LD50 802 mg/kg  
**Chronic toxicity:** Exposure by inhalation, ingestion, skin and eye contact must be avoided.  
**Routes of exposure:** Primarily irritative effect. Harmful if swallowed.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Soluble in water.  
**Bioaccumulative potential:** Slightly bioaccumulable.  
**Other adverse effects:** Water pollution class 1 according to KBWs.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Dispose of in accordance with local and national regulations.  
Subject to Hazardous Waste Regulations 2005. Consult a suitably licensed waste disposal company to agree the classification and consent limit before disposal or discharge.  
**Disposal of packaging:** All residues must be removed from packaging prior to disposal as controlled waste.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

### ADR / RID

<b>UN no:</b> 1492	<b>ADR Class:</b> 5.1
<b>Packing group:</b> III	<b>Classification code:</b> O2
<b>Shipping name:</b> POTASSIUM PERSULPHATE	
<b>Labelling:</b> 5.1	<b>Hazard ID no:</b> 50



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**IMDG / IMO**

<b>UN no:</b> 1492	<b>Class:</b> 5.1
<b>Packing group:</b> III	<b>EmS:</b> F-A,S-Q
<b>Marine pollutant:</b> NO	<b>Labelling:</b> 5.1

**IATA / ICAO**

<b>UN no:</b> 1492	<b>Class:</b> 5.1
<b>Packing group:</b> III	<b>Packing instructions:</b> 516(P&CA); 518(CAO)
<b>Labelling:</b> 5.1	

**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.

**Risk phrases:** R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42/43: May cause sensitisation by inhalation and skin contact.

**Safety phrases:** S1/2: Keep locked up and out of the reach of children.  
S17: Keep away from combustible material.  
S22: Do not breathe dust.  
S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37: Wear suitable gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** Refer to the Manual Handling Operations Regulations 1992.  
Store in accordance with HSE Guidance Note CS17.  
Classed as special waste by the Hazardous Waste Regulations 2005.  
Read in conjunction with the Technical Data sheet concerning use of the product.

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**Risk phrases used in s.2:** R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42/43: May cause sensitisation by inhalation and skin contact.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.