



## SAFETY DATA SHEET

50% POTASSIUM IODATE

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Revision No: 1

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** 50% POTASSIUM IODATE

**Product code:** fPOIO/50

**Company name:** Aquaspersions Ltd

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Halifax

West Yorkshire

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** POTASSIUM IODATE 30-50%

EINECS: 231-831-9 CAS: 7758-05-6

[Xn] R20/21/22; [O] R8

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation, in contact with skin and if swallowed.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** May cause sensitisation by skin contact.

**Eye contact:** May cause irritation and redness.

**Ingestion:** Harmful by ingestion. Please read the label and Material Safety Data Sheet.

**Inhalation:** If this dispersion is strongly heated it may release acidic fumes which are corrosive to the respiratory tract

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** If a person feels unwell after coming into contact with this dispersion then seek medical advice. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation or sensitisation persists.

**Eye contact:** Irrigate with plenty of water. Seek medical advice

**Ingestion:** Do not induce vomiting. Wash out mouth with water and give 200-300ml warm water to drink. Seek medical attention immediately. Alcohol intolerance (Antabuse syndrome) may result from adsorption.

**Inhalation:** Remove patient to fresh air. Treat symptomatically and seek medical advice. In the unlikely event that this substance is inhaled (e.g. aspiration) then treat symptomatically and seek medical advice.

[cont...]

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**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water jet

**Exposure hazards:** Virtually non-flammable as supplied. Residue may support combustion.

**Protection of fire-fighters:** Respiratory Protective Equipment (RPE) must be worn.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

**Environmental precautions:** Prevent contamination of drains/watercourses/vegetation. Advise police.

**Clean-up procedures:** Adsorb onto sand/earth/similar adsorbent material. Once clear, wash the spillage area clean with water and detergent. Shovel up into drums or suitable containers for disposal.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

**Storage conditions:** Store in closed containers, well protected from frost. Stir well before use.

**Suitable packaging:** Most packagaing suitable, avoid mild-steel.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

**Respiratory protection:** Wear suitable respiratory protective equipment to prevent overexposure to mist.

**Hand protection:** Protective gloves. Water repellent barrier cream

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

**Skin protection:** Wear suitable protective clothing. Water-repellent barrier cream.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Off-white

**Odour:** Odourless

**Evaporation rate:** Not tested

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

**Solubility in water:** Miscible

**Also soluble in:** No data.

**Viscosity:** Highly viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Flammability limits %: lower:** No data

**upper:** No data

**Flash point°C:** No data

**Part.coeff. n-octanol/water:** No data

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**Autoflammability°C:** No data  
**Vapour pressure:** No data  
**Relative density:** No data  
**pH:** 8.50 - 11.00

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Protect from frost and temperatures over 100oC.  
**Conditions to avoid:** Extremes of temperature. Protect from frost.  
**Materials to avoid:** Strong acids. Strong bases. Oxidising agents.  
**Haz. decomp. products:** No known hazardous decomposition products.

**11. TOXICOLOGICAL INFORMATION**

**Chronic toxicity:** Eyes skin, mouth and nose  
**Routes of exposure:** May cause sensitisation by skin contact. Harmful if swallowed. Slight irritant to eyes and skin.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Miscible with water.  
**Persistence and degradability:** No data available.  
**Bioaccumulative potential:** No data available.  
**Other adverse effects:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of packaging:** Incinerate residues only in officially approved incinerator. Dispose of empty containers only on dumps designated for special waste or at an incineration plant for industrial waste.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION****Hazard symbols:** Harmful.

**Risk phrases:** R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
**Safety phrases:** S36/37: Wear suitable protective clothing and gloves.

**Note:** The regulatory information given above only indicates the principal regulations specifically

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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

**Risk phrases used in s.2:** R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R8: Contact with combustible material may cause fire.

**Legal disclaimer:** Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

