

# SAFETY DATA SHEET

JAP W/W PENETRANT - AEROSOL

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

**Product name:** JAP W/W PENETRANT - AEROSOL

**Use of substance / preparation:** A Water Washable or Solvent Removable Visible Red Dye Penetrant for use in the Dye Penetrant Inspection Process BS EN ISO 571-1:1997 (BS EN ISO 3452-2:2006 Sensitivity Level 2)

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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Harmful if swallowed. Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

**Other hazards:** It is thought prudent to assume that the dye in this material could metabolise to o-aminoazotolulene or o-toluidine, which have been linked to animal carcinogens.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 70-90%  
EINECS: 265-149-8 CAS: 64742-47-8  
[N] R51/53; [Xn] R65; [-] R66

- EMULSIFIER 10-30%  
[Xn] R22; [Xi] R41; [N] R51/53
- LIQUID FLOW ENHANCER 1-10%  
CAS: 2217-35-8  
[Xn] R22; [Xi] R36/37/38
- CO2 1-10%  
EINECS: 204-696-9 CAS: 00124-38-9
- AUTOMATE (TM) RED IK HF LIQUID DYE 1-10%  
[Xn] R62

[cont...]

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Repeated and/or prolonged contact may cause irritation.

**Eye contact:** Risk of serious damage to eyes. May cause permanent damage if eye is not immediately irrigated.

**Ingestion:** May cause irritation of the gastrointestinal tract. Harmful if swallowed.

**Inhalation:** Inhalation of the product will probably cause irritation to respiratory passages.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash immediately with plenty of soap and water. Remove contaminated clothing, including shoes, and launder before re-use. Do not take clothing home to be laundered.

**Eye contact:** Immediately irrigate with eyewash solution or clean water, holding eyelids apart for at least 10 minutes. Obtain immediate medical attention. Continue irrigation until medical attention can be obtained.

**Ingestion:** Do not induce vomiting. Keep at rest. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Dry chemical powder. Foam. Water spray. Use water spray to cool surfaces exposed to fire and protect personnel.

**Exposure hazards:** Containers may explode if exposed to fire.

**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:** Eliminate all sources of ignition. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. If exposed to material during clean-up operations, see Section 4, First Aid Measures, for actions to follow.

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

**Clean-up procedures:** Absorb into dry earth or sand. Use absorbant granules as required. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Smoking is forbidden. Do not use near sources of ignition. Use good hygienic practice and housekeeping methods. Prevent skin contact with use of neoprene or similar chemical resistant gloves. Wear overalls and safety glasses or other similar eye protection. Avoid breathing vapours, use product only in well ventilated areas. Wash after handling.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Store in dry conditions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT  
WEL (8 hr TWA): 1000mg/m<sup>3</sup> (manufact)

- CO<sub>2</sub>  
WEL (8 hr TWA): 5000ppm WEL (15 min STEL): 15000ppm
- AUTOMATE (TM) RED IK HF LIQUID DYE  
WEL (8 hr TWA): 0.14mg/m<sup>3</sup> WEL (15 min STEL): 0.42mg/m<sup>3</sup>

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

**Respiratory protection:** Respiratory protection should not be necessary during normal use. In confined areas, or where misting is likely, use appropriate respiratory protection

**Hand protection:** Neoprene gloves. NOTE: It is strongly recommended that gloves should be changed frequently. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Wash off hands/skin with mild soap and water immediately if contamination occurs and after use.

**Eye protection:** Wear eye/face protection. Ensure eyewash easily accessible to the work area

**Skin protection:** Long sleeved overalls are recommended and impervious aprons and gauntlets if there is a risk of frequent splashing Barrier creams can additionally be used with gloves

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Aerosol

**Colour:** Red

**Odour:** Perceptible odour

**Solubility in water:** Miscible

**Viscosity:** Non-viscous

**Viscosity value:** 3.9cSt

**Flash point°C:** >100

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Hot surfaces. Heat. Sources of ignition.

**Materials to avoid:** Strong oxidising agents. Natural rubbers, polystyrene and butyl rubbers Will permanently stain materials, painted surfaces and other coatings.

**Haz. decomp. products:** None known

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** EMULSIFIER  
ORL RAT LD50 >2000 mg/kg

- AUTOMATE (TM) RED IK HF LIQUID DYE  
SKN

**Chronic toxicity:** Frequent or prolonged contact may irritate and cause skin dryness, cracking and dermatitis.

NOTE: Metabolic studies on some azo dyes have detected reduction of azo bonds to aromatic amines. It is prudent to assume it possible that the dye could metabolise to o-aminoazotoluene or o-toluidine, which have been linked to animal carcinogens.

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Soluble in water. This product is not classified as a Volatile Organic Compound according to the directive 99/13/EC.

**Persistence and degradability:** Rapidly biodegradable. Aerobically biodegradable.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** Toxic to aquatic organisms. My cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Manufacturer can advise on 'washings' treatment/disposal. Filtration systems are available. Full aerosol cans must be disposed of as hazardous waste. Empty aerosols should be disposed of in accordance with Local Authority Regulations. Best disposal practice would be depressurisation of can and incineration of liquid product.

Manufacturer can advise on recovery.

**Disposal of packaging:** Empty aerosols can be recycled. Packaging, card and plastics can be recycled.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

### ADR / RID

**UN no:** 1950

**ADR Class:** 2

**Classification code:** 5A

**Shipping name:** AEROSOLS

**Labelling:** 2.2



### IMDG / IMO

**UN no:** 1950

**Class:** 2

**EmS:** F-D,S-U

**Marine pollutant:** .

**Labelling:** 2.2

**IATA / ICAO**

**UN no:** 1950  
**Labelling:** 2.2

**Class:** 2

**15. REGULATORY INFORMATION**

**Hazard symbols:** Dangerous for the environment.

Irritant.



**Risk phrases:** R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S3/9/14: Keep in a cool, well ventilated place away from direct sunlight

S23: Do not breathe vapour/spray

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.

S35: This material and its container must be disposed of in a safe way.

S36/37: Wear suitable protective clothing and gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S39: Wear eye / face protection.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Precautionary phrases:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**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**

**Risk phrases used in s.3:** R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R36/37/38: Irritating to eyes, respiratory system and skin.

R62: Possible risk of impaired fertility.

**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.