



JAP W/W PENETRANT - BULK

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	JAP W/W PENETRANT - BULK.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	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).
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR. 0114 2738066. 0114 2729842. info@johnsonandallen.co.uk
Telephone	
Fax	
E-Mail (competent person)	
1.4 Emergency telephone number	
Emergency Phone No.	0114 2738066. (UK office hours 08.30-17.00).

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Eye Dam. 1; Causes serious eye damage. Asp. Tox. 1; May be fatal if swallowed and enters airways. Aquatic Chronic 3; Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xi; Risk of serious damage to eyes. Xn; Harmful; may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP) JAP W/W PENETRANT - BULK.
Product Name	
Hazard Pictogram	




GHS05



GHS08



JAP W/W PENETRANT - BULK

Signal word(s)	Danger.
Hazard statement(s)	H304: May be fatal if swallowed and enters airways. H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects. EUH066: Repeated exposure may cause skin dryness or cracking.
Precautionary statement(s)	P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331: Do NOT induce vomiting. P405: Store locked up.
2.2.2 Label elements	According to Directive 67/548/EEC & Directive 1999/45/EC
Hazard Symbol	
Risk Phrases	Xn R41: Risk of serious damage to eyes. R52/53: Harmful 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	S2: Keep out of the reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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.
2.3 Other hazards	None.
2.4 Additional Information	For full text of H/P phrases see section 16.



JAP W/W PENETRANT - BULK

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	60-80	None assigned	920-107-4	01-2119453414-43-0001	GHS08, Asp. Tox. 1; H304, EUH066
Alkylphenol Ethoxylate	1-15	127087-87-0	None assigned	None assigned	GHS07, Acute Tox. 4; H302, GHS05, Eye Dam. 1; H318, GHS09 Aquatic Chronic 2; H411
Tetrahydrofurfuryl salicylate	1-10	2217-35-8	218-711-1	None assigned	GHS07, Acute Tox. 4; H302, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	60-80	None assigned	920-107-4	01-2119453414-43-0001	Xn; R65, R66
Alkylphenol Ethoxylate	1-15	127087-87-0	None assigned	None assigned	Xn; R22, Xi; R41, N; R51/53
Tetrahydrofurfuryl salicylate	1-10	2217-35-8	218-711-1	None assigned	Xn; R22, Xi; R36/37/38

3.2 Additional Information

For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact

Wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. If symptoms persist, obtain medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.



JAP W/W PENETRANT - BULK

- | | |
|---|---|
| 4.2 Most important symptoms and effects, both acute and delayed | Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Repeated exposure may cause skin dryness or cracking. |
| 4.3 Indication of any immediate medical attention and special treatment needed | Unlikely to be required but if necessary treat symptomatically. |

5. SECTION 5: FIRE-FIGHTING MEASURES

- | | |
|--|--|
| 5.1 Extinguishing Media
Suitable Extinguishing Media
Unsuitable Extinguishing Media | Extinguish preferably with dry chemical, foam or waterspray.
None known. |
| 5.2 Special hazards arising from the substance or mixture | None known. |
| 5.3 Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|--|--|
| 6.1 Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid contact with eyes. Wear suitable gloves. Wear: Neoprene. Wear suitable eye/face protection. |
| 6.2 Environmental precautions | Avoid release to the environment. |
| 6.3 Methods and material for containment and cleaning up | Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. |
| 6.4 Reference to other sections | See Also Section 8 and 13. |
| 6.5 Additional Information | None. |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|--|--|
| 7.1 Precautions for safe handling | Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid contact with eyes. Avoid prolonged skin contact. Wear suitable gloves. Wear: Neoprene. Wear suitable eye/face protection. Wash hands and exposed skin after use. |
| 7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Storage Life
Incompatible materials | Store locked up.

Ambient.
Stable under normal conditions.
Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber. |
| 7.3 Specific end use(s) | 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). |






JAP W/W PENETRANT - BULK

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
- 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
None assigned						

- 8.1.2 Biological limit value Not established.
- 8.1.3 PNECs and DNELs Not established.
- 8.2 Exposure controls
- 8.2.1 Appropriate engineering controls Provide adequate ventilation.
- 8.2.2 Personal protection equipment
 - Eye/face protection Wear suitable eye/face protection.
 -  Skin protection (Hand protection/ Other) Wear suitable gloves. Wear: Neoprene.
 -  Respiratory protection Handling of larger amounts: In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
 -  Thermal hazards Not applicable.
- 8.2.3 Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
 - Appearance Liquid.
 - Colour Red.
 - Odour Perceptible odour.
 - Odour Threshold Not available.
 - pH Not applicable.
 - Melting Point/Freezing Point Not applicable.
 - Initial boiling point and boiling range Not applicable.
 - Flash point >100°C
 - Evaporation rate Not applicable.
 - Flammability (solid, gas) Non-flammable.
 - Upper/lower flammability or explosive limits Not applicable.
 - Vapour pressure ~2Pa
 - Vapour density Not available.
 - Relative density Not available.
 - Solubility(ies) Soluble in water.
 - Partition coefficient: n-octanol/water Not available.
 - Auto-ignition temperature Not applicable.
 - Decomposition Temperature Not available.
 - Kinematic Viscosity 3.9cSt @ 40°C



JAP W/W PENETRANT - BULK

Explosive properties	Not available.
Oxidising properties	No information available.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.
10.6 Hazardous Decomposition Product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	
Acute toxicity	
Ingestion	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rat) > 5000mg/kg (OECD401)
Inhalation	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LC50 (rat) 4hour(s) > 4951mg/m ³ (OECD403)
Skin Contact	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rabbit) > 5000mg/kg (OECD402)
Eye Contact	Low acute toxicity.
Irritation	Repeated exposure may cause skin dryness or cracking.
Corrosivity	Eye Dam. 1; Causes serious eye damage.
Sensitisation	Not expected to be a skin or respiratory sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
Aspiration hazard	Asp. Tox. 1; May be fatal if swallowed and enters airways. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
12.2 Persistence and degradability	Part of the components are biodegradable.
12.3 Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4 Mobility in soil	Soluble in water. The product is predicted to have moderate mobility in soil. The product is volatile and will partition into the atmosphere. Higher molecular weight hydrocarbons: The substance may adsorb onto soils and sediments.
12.5 Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None.



JAP W/W PENETRANT - BULK

13. SECTION 13: DISPOSAL CONSIDERATIONS

- | | | |
|------|--------------------------------|--|
| 13.1 | Waste treatment methods | Dispose of contents/container to: Licensed recycler. Refer to manufacturer for information on recovery/recycling. Do NOT landfill. |
| 13.2 | Additional Information | Disposal should be in accordance with local, state or national legislation. Avoid release to the environment. |

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

- | | | |
|------|--|-----------------|
| 14.1 | UN number | Not applicable. |
| 14.2 | Proper Shipping Name | Not applicable. |
| 14.3 | Transport hazard class(es) | Not applicable. |
| 14.4 | Packing Group | Not applicable. |
| 14.5 | Environmental hazards | Not applicable. |
| 14.6 | Special precautions for user | Not applicable. |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| 14.8 | Additional Information | Not applicable. |

15. SECTION 15: REGULATORY INFORMATION

- | | | |
|--------|---|-------------------------------|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| 15.1.1 | EU regulations | |
| | Authorisations and/or restrictions on use | |
| | Candidate List of Substances of Very High Concern for Authorisation | All chemicals are not listed. |
| | REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | All chemicals are not listed. |
| | REACH: ANNEX XIV List of substances subject to authorisation | All chemicals are not listed. |
| | Community Rolling Action Plan (CoRAP); Draft 29/02/2012 | All chemicals are not listed. |
| 15.1.2 | National regulations | None known. |
| 15.2 | Chemical Safety Assessment | Not available. |

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organization for Economic Cooperation and Development
Asp. Tox. 1	Aspiration hazard Category 1
Acute Tox. 4	Acute toxicity Category 4
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2



JAP W/W PENETRANT - BULK

Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment Chronic Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment Chronic Category 3
Xn	Harmful
Xi	Irritant





Risk Phrases

R22	Harmful if swallowed.
R36/37	Irritating to eyes and respiratory system.
R38	Irritating to skin.
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.

Hazard statement(s) and Precautionary statement(s)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P310	Immediately call a POISON CENTRE or doctor/physician.
P501	Dispose of contents/container to: Licensed recycler.

Hazard pictogram(s) and Hazard Symbol

GHS05		Xn
GHS07		Xi
GHS08		
GHS09		





JAP W/W PENETRANT - BULK

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

Johnson and Allen Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Johnson and Allen Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

No information available.