



JAP W/W PENETRANT - AEROSOL

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 – AEROSOL.
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.
Telephone	0114 2738066 0114 2729842
E-Mail (competent person)	info@johnsonandallen.co.uk
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)	Aerosol 3; Pressurised container: May burst if heated. Asp. Tox. 1; May be fatal if swallowed and enters airways. Eye Dam. 1; Causes serious eye damage. 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	Xn; Harmful: may cause lung damage if swallowed. Xi; Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.



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2.2 Label elements

2.2.1 Label elements

Product Name

Hazard Pictogram

According to Regulation (EC) No. 1272/2008 (CLP)
JAP W/W PENETRANT – AEROSOL.



GHS05



GHS08

Signal word(s)

Hazard statement(s)

Danger.

H229: Pressurised container: May burst if heated.

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)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251: Do not pierce or burn, even after use.

P273: Avoid release to the environment.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2 Label elements

Hazard Symbol

According to Directive 67/548/EEC & Directive 1999/45/EC



Xn

Risk Phrases

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, S23, S24, S26, S61, S62.

2.3 Other hazards

None.

2.4 Additional Information

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



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3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

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
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	GHS04, Press. Gas; H280
Tetrahydrofurfuryl salicylate	1-10	2217-35-8	218-711-1	None assigned	None

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
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	None
Tetrahydrofurfuryl salicylate	1-10	2217-35-8	218-711-1	None assigned	None

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 CENTER/doctor.
Ingestion	IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.



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|---|---|
| 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

Pressurised container: May burst if heated.

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| 5.1 Extinguishing Media | |
| Suitable Extinguishing Media | Extinguish with waterspray, foam or dry chemical. |
| Unsuitable Extinguishing Media | None known. |
| 5.2 Special hazards arising from the substance or mixture | Heating may cause pressure rise with risk of bursting. |
| 5.3 Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

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| 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 and eye/face protection. |
| 6.2 Environmental precautions | Avoid release to the environment. |
| 6.3 Methods and material for containment and cleaning up | Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty. |
| 6.4 Reference to other sections | See Also Section: 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

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|---|---|
| 7.1 Precautions for safe handling | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid contact with eyes. Avoid prolonged skin contact. Wear protective gloves/protective clothing/eye protection/face protection. See Section: 8. Do not eat, drink or smoke during work. Wash hands thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store locked up. Protect from sunlight. |
| Storage Temperature | Ambient. Do not expose to temperatures exceeding 50°C/ 122°F. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | Strong oxidising agents, Natural rubber, Butyl rubber, Polystyrene. |



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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).

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
Carbon dioxide	124-38-9	5000	9150	15000	27400	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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. A washing facility/water for eye and skin cleaning purposes should be present.

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



No personal respiratory protective equipment normally required. 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

Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Aerosol.

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.



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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
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	3.9 cSt @ 40 °C
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.
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, Butyl rubber, Polystyrene.
10.6 Hazardous Decomposition Product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

Unlikely to cause harmful effects under normal conditions of handling and use.

11.1 Information on toxicological effects

11.1.1 Mixtures

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/m³ (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

Eye Dam. 1; Causes serious eye damage.

Repeated exposure may cause skin dryness or cracking.

Corrosivity

Not classified.

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.



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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.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. 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.

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN Proper Shipping Name	AEROSOLS, non-flammable
14.3	Transport hazard class(es)	2
14.4	Packing Group	None.
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
14.8.1	ADR Classification Code	5F
14.8.2	Hazard label(s)	2.2
14.8.3	IMDG Code	EmS: F-D, S-U

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.
	REACH: ANNEX IV Exemptions from the Obligation to Register in accordance with Article 2(7)(a)	Listed: Carbon dioxide (CAS No.: 124-38-9)
	Community Rolling Action Plan (CoRAP); Draft 29/02/2012	All chemicals are not listed.



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15.1.2 National regulations
15.2 Chemical Safety Assessment

None known.
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	Organisation for Economic Cooperation and Development
Acute Tox. 4	Acute toxicity Category 4
Aerosol 3	Aerosol Category 3
Press. Gas	Gases under pressure: Compressed gas
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/irritation Category 1
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	Irritation
N	Dangerous for the environment.

Risk Phrases and Safety 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.
S2	Keep out of the reach of children.
S23	Do not breathe vapour.
S24	Avoid contact with skin.
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.

Hazard statement(s) and Precautionary Statement(s)

H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.



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Hazard pictogram(s) and Hazard Symbol

GHS04



Xn



GHS05



Xi



GHS07



N



GHS08



GHS09



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Annex to the extended Safety Data Sheet (eSDS)

No information available.