

JAP W/W PENETRANT - AEROSOL



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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 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	Company	0114 2738066 (UK office hours 08.30-17.00)
	National Poisons Information Service (Birmingham Centre), United Kingdom	+00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. Asp. Tox. 1; May be fatal if swallowed and enters airways. Repr. 2; Suspected of damaging fertility or the unborn child. Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) JAP W/W PENETRANT - AEROSOL.
	Hazard Pictogram	 
	Signal word(s)	GHS08 GHS02 Danger.
	Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H304: May be fatal if swallowed and enters airways. H361: Suspected of damaging fertility or the unborn child.

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Precautionary statement(s)

EUH066: Repeated exposure may cause skin dryness or cracking.

P201: Obtain special instructions before use.

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

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P308+P313: IF exposed or concerned: Get medical advice/attention.

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

Additional Information

Do not pierce or burn, even after use. Keep out of the reach of children. Do not spray on an open flame or other ignition source.

2.3 Other hazards

None.

2.4 Additional Information

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

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 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	70-80	None assigned	920-107-4	01-2119453414-43-XXXX	GHS08, Asp. Tox. 1; H304, EUH066
Distillates, petroleum, hydrotreated middle	1-10	64742-46-7	265-148-2	01-2119489867-12-XXXX	GHS08, Asp. Tox. 1; H304
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar, ar-methyl derivatives	1-5	92257-31-3	296-120-8	01-2120753600-62-XXXX	GHS08, Repr. 2; H361, STOT RE 2; H373, Aquatic Chronic 4; H413
Tetrahydrofurfuryl salicylate	1-5	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
Carbon dioxide	1-5	124-38-9	204-696-9	None assigned	GHS04, Press. Gas; H280

3.3 Additional Information

For full text of H/P Statements 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

Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

Ingestion

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

IF exposed or concerned: Get medical advice/attention.

5. SECTION 5: FIRE-FIGHTING MEASURES

Extremely flammable aerosol. Pressurised container: May burst if heated.

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish preferably with dry chemical, foam or waterspray.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Oxides of carbon.

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.

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear suitable gloves and eye/face protection.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

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 and 13.

6.5 Additional Information

None.

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7. SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Provide adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection. 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. Keep in a cool, well ventilated place.
	Storage Temperature	Ambient. Do not expose to temperatures exceeding 50°C/ 122°F.
	Storage Life	Stable under normal conditions.
	Incompatible materials	Strong oxidising agents.
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 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	
		5000	9000			IOELV

Source: UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

IOELV: Indicative Occupational Exposure Limit Value

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 eye protection with side protection (EN166).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely.
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.

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Thermal hazards	Not applicable.
8.2.3 Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

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)	Flammable aerosol.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble 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	Not explosive.
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	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
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.
Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	Not classified.

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Respiratory or skin sensitisation	Not expected to be a skin or respiratory sensitiser.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Suspected of damaging fertility or the unborn child. No data.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	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	Low toxicity to aquatic organisms.
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	Insoluble in water. The product is predicted to have low mobility in soil.
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	UN1950
14.2 UN Proper Shipping Name	AEROSOLS, Flammable.
14.3 Transport hazard class(es)	
ADR/RID Class	2
IMDG Class	2.1
ICAO/IATA	2.1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y203
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30 kg G
Cargo Aircraft Packing Instructions	203
Cargo Aircraft Max net Qty	150 kg
Emergency Response Guidebook (ERG) Code	10P
ADR Classification Code	5F
IMDG EMS	F-D, S-U
Packing Group	Not applicable
Labels	2.1
Special Provisions	190 327 344 625
Limited Quantities (LQ) Inner packaging	1 L



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14.4	Environmental hazards	Not classified as a Marine Pollutant.
14.5	Special precautions for user	
	Tunnel Restriction Code	D
14.6	Transport in bulk according to Annex II of Marpol and the IBC Code	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.
	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)	All chemicals are not listed.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not applicable.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3

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
Aerosol 1	Aerosol Category 1
Press. Gas	Gases under pressure
Asp. Tox. 1	Aspiration hazard Category 1
Acute Tox. 4	Acute toxicity Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
Repr. 2	Reproductive toxicity Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 2	Specific target organ toxicity — repeated exposure Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment Chronic Category 4

Hazard statement(s) and Precautionary Statement(s)

H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
P331	Do NOT induce vomiting.
H335	May cause respiratory irritation.

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H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
P202	Do not handle until all safety precautions have been read and understood.
P211	Do not spray on an open flame or other ignition source.
P405	Store locked up.
P501	Dispose of contents in accordance with local, state or national legislation.

Hazard pictogram(s)

GHS04



GHS07



GHS08



Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable.