



## JAP 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

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

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Gases under pressure: Compressed gas; Contains gas under pressure; may explode if heated. Asp. Tox. 1; May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	Xn; Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
<b>2.2 Label elements</b>	
<b>2.2.1 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP) JAP PENETRANT – AEROSOL.
Product Name	
Hazard Pictogram	 
Signal word(s)	GHS04 GHS08 Danger.



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Hazard statement(s) H280: Contains gas under pressure; may explode if heated.  
 H304: May be fatal if swallowed and enters airways.  
 EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s) P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331: Do NOT induce vomiting.  
 P405: Store locked up.  
 P410 + P403: Protect from sunlight. Store in a well-ventilated place.

### 2.2.2 Label elements

Product Name  
 Hazard Symbol

According to Directive 67/548/EEC & Directive 1999/45/EC  
 JAP PENETRANT – AEROSOL.



Xn

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

Safety Phrases

### 2.3 Other hazards

None.

### 2.4 Additional Information

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

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol. Contains: Colouring agent.

### 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	50-70	None assigned	920-107-4	01-2119453414-43-0001	GHS08, Asp. Tox. 1; H304, EUH066
White mineral oil (petroleum)	20-30	8042-47-5	232-455-8	01-2119487078-27-XXXX	None
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	GHS07, Acute Tox. 4; H302, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335



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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	50-70	None assigned	920-107-4	01-2119453414-43-0001	Xn; R65, R66
White mineral oil (petroleum)	20-30	8042-47-5	232-455-8	01-2119487078-27-XXXX	None
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	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 skin with soap and water. If symptoms persist, obtain medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion

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

### 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

Contains gas under pressure; may explode if heated.

### 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.



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### 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.

- |  |   |
|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear suitable gloves.  |
| <b>6.2 Environmental precautions</b>   | Wear: Neoprene. Wear suitable eye/face protection.<br>Do not release large quantities into the surface water or into drains.  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | 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. |
| <b>6.4 Reference to other sections</b>   | See Also Section 8 and 13   |

### 7. SECTION 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <b>7.1 Precautions for safe handling</b>   | Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid prolonged skin contact. Wear suitable gloves. Wear: Neoprene. Wear suitable eye/face protection. Wash hands and exposed skin after use. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b><br>Storage Temperature<br>Storage Life<br>Incompatible materials | Store locked up. Protect from sunlight. Store in a well-ventilated place.<br>Ambient.<br>Stable under normal conditions.<br>Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.                                 |
| <b>7.3 Specific end use(s)</b>   | A 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Carbon dioxide	124-38-9	5000	9150	15000	27400	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- |   |                                    |
|---|------------------------------------|
| <b>8.1.2 Biological limit value</b>                               | Not established.                   |
| <b>8.1.3 PNECs and DNELs</b>                                      | Not established.                   |
| <b>8.2 Exposure controls</b>                                      |                                    |
| <b>8.2.1 Appropriate engineering controls</b>                     | Provide adequate ventilation.      |
| <b>8.2.2 Personal protection equipment</b><br>Eye/face protection | Wear suitable eye/face protection. |





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Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

### 8.2.3 Environmental Exposure Controls

Wear suitable gloves. Wear: Neoprene.

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.

Not applicable.

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.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not available.
Relative density	0.84
Solubility(ies)	Immiscible with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Kinematic Viscosity	3.5cSt @ 40°C
Explosive properties	Contains gas under pressure; may explode if heated.
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.



## JAP PENETRANT – AEROSOL

### 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/m<sup>3</sup>  
(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

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.

### 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

Immiscible with water. The product is predicted to have low 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.



## JAP PENETRANT – AEROSOL

### 14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN Proper Shipping Name	AEROSOLS.
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	IMDG Code	EmS: F-D, S-U

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	<b>Authorisations and/or restrictions on use</b>	
	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	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	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
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organization for Economic Cooperation and Development
Acute Tox. 4	Acute toxicity Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Xi	Irritant
Xn	Harmful



## JAP PENETRANT – AEROSOL





### Risk Phrases

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

### Hazard statement(s)

H302	Harmful: may cause lung damage if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Hazard pictogram(s) and Hazard Symbol

GHS04		Xi	
GHS08		Xn	

### Disclaimers

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### Annex to the extended Safety Data Sheet (eSDS)

No information available.