

1. Identification of the Substance/Preparation and the Company/Undertaking

1.1. Product identifier

Substance or preparation trade name: Parweld Dye Penetrant Spray
Unique reference numbers(s): WR7030

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Crack detection

1.3. Details of the supplier of the safety data sheet

Company/undertaking name & address: Parweld Ltd, Long Bank, Bewdley, Worcs, UK
ABN: 95 000 029 729
Telephone number: +00 44 1299 266800
Telefax: +00 44 1299 266900
Emergency telephone number: +00 44 1299 266800

1.4. Emergency telephone number

Emergency tel: +00 44 1299 266800 (office hours only)

2: Hazards identification

2.1. Classification of the substance or mixture

Classification under (EC) No 1272/2008 CLP:

Flam. Aerosol 1: H222;
EUH066; -: H229

Most important adverse effects:

Pressurised container: May burst if heated. Extremely flammable aerosol. Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Signal word (CLP)	: Danger
Hazard statements (CLP)	: H222 - Extremely flammable aerosol. : H229 - Pressurised container: May burst if heated
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. : P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even

after use. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

Hazard pictograms



2.3. Other hazards Not applicable

3. Composition/information on ingredients

3.2. Mixtures

Chemical name	No	%	Class	Spec. concentrations
Water	CAS No. : 7732-18-5 Index No. : EC No. : 231-791-2	97.75	Not Classified -	
9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride	CAS No. : 81-88-9 Index No. : EC No. : 201-383-9	0.25		

4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with: Water

When in doubt or if symptoms are observed, get medical advice.

Eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.

In case of eye irritation consult an ophthalmologist

Ingestion: Rinse mouth thoroughly with water.

Do NOT induce vomiting.

Inhalation: No special measures are necessary.

Provide fresh air.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation No information available.

Symptoms and effects - Following skin contact No information available.

Symptoms and effects - After eye contact No information available.

Symptoms and effects - After ingestion No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

5: Fire-fighting measures

5.1. Extinguishing media

<u>Suitable extinguishing media</u>	ABC-powder Carbon dioxide (CO ₂) Foam Extinguishing powder
<u>Unsuitable extinguishing media</u>	Full water jet

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for fire-fighters

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely

6. Accidental release measures

6.1 Personal precautions

For non-emergency personnel. Use personal protection equipment.

Provide adequate ventilation.

For emergency responders

No information available.

6.2 Environmental precautions

No information available.

6.3. Methods and material for containment and cleaning up

Methods and material for containment No information available

Methods and material for cleaning up Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Wash with plenty of water.

6.4 - Reference to other sections

Disposal: see section 13

Personal protection equipment: see section 8

7. Handling and storage

7.1. Precautions for safe handling

Recommendation - No special technical protective measures are necessary.

Advices on general occupational hygiene No information available.

7.2. Conditions for safe storage, including any incompatibilities

Store away from sources of direct heat and sunlight

8. Exposure Controls/Personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls No information available.

Individual protection measures, such as personal protective equipment

Suitable protective clothing: lab coat, Safety Glasses, lightweight rubber gloves



9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Odour threshold	No data available
pH	7
Melting point	0 °C
Freezing point	No data available
Boiling point	100 °C
Flash point	399 °C
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available

Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available

10. Stability and reactivity

10.1 - Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

11. Toxicological information

11.1 - Information on toxicological effects

<u>Acute toxicity</u>	- Not classified	
	LD50 oral (rat)	No data available
	LD50 dermal (rat)	No data available
	LD50 dermal (rabbit)	No data available
	LC50 inhalation (rat)	No data available
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available
	- Based on available data, the classification criteria are not met.	

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

12. Ecological information

12.1. Toxicity

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available

NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not full fill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- No information available.

12.6 - Other adverse effects

- No information available.

13 Disposal Considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal No information available.

Special precautions for waste treatment No information available

Community or national or regional provisions. No information available.

14. Transport information

Land Transport (ADR)

14.1. UN number

UN number (ADR):	1950
UN-No. (IMDG) :	1950
UN-No. (IATA) :	1950
UN-No. (ADN) :	1950
UN-No. (RID) :	1950

Material Safety Data

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable
Proper Shipping Name (ADN) : AEROSOLS
Proper Shipping Name (RID) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1
Transport document description (ADN) : UN 1950 AEROSOLS, 2.1
Transport document description (RID) : UN 1950 AEROSOLS, 2.1

14.3. Transport hazard class(es)

ADR/RID/ IMDG/IATA/ADN Class2.1



14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6 - Special precautions for user

Overland

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP02
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code (ADR) : D

Material Safety Data



Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP02
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 19, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5F
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP02
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W14
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
VOC content	0 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

16. Other Information

SDS versions

Revision This document differs from the previous version in the following areas: 9,11,12,14
ISSUE7 section 14,8,2 updated
Issie 8 Section 2, 14 updated

Texts of the regulatory sentences

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.