

Material Safety Data



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

Considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments.
Classified as Dangerous Goods for transport purposes.

2.2. Label elements

Contains: 9-(2-carboxyphenyl)-3,6-bis(diethylamino)

xanthylium chloride (CAS No.: 81-88-9)

Water (CAS No.: 7732-18-5)

Signal word- Danger

Hazard pictograms



Hazard statements

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

Precautionary statements

P102	Keep out of reach of children.
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

Material Safety Data



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

Acute toxicity

- 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.

Material Safety Data



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): UN1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID Class2.1 Sub Risk:- Not applicable

14.4. Packing group –Not Applicable

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6 - Special precautions for user

Hazard identification (Kemler) Not Applicable
Classification code 5F
Hazard Label 2.1
Special provisions 190 327 344 625
Limited quantity 1 L
Tunnel Restriction Code 2 (D)

Air transport (ICAO-IATA / DGR)

14.1. UN number

UN number : UN1950

14.2. UN proper shipping name AEROSOLS flammable

14.3. Transport hazard class(es)

ICAO/IATA Class Class2.1 Sub Risk:- Not applicable, ERG Code 10L

14.4. Packing group –Not Applicable

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6 - Special precautions for user

Special provisions A145 A167 A802; A1 A145 A167 A802
Cargo Only Packing Instructions 203
Cargo Only Maximum Qty / Pack 150 kg
Passenger and Cargo Packing Instructions 203; Forbidden
Passenger and Cargo Maximum Qty / Pack 75 kg; Forbidden
Passenger and Cargo Limited Quantity Packing Instructions Y203; Forbidden
Passenger and Cargo Limited Maximum Qty / Pack 30 kg G; Forbidden

Sea transport (IMDG-Code / GGVSee)

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es)

IMDG Class: 2.1 Sub Risk:- Not applicable

14.4. Packing group –Not Applicable

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6 - Special precautions for user

EMS Number F-D , S-U
Special provisions 63 190 277 327 344 381 959
Limited Quantities 1000 ml

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

Not applicable

IMG Class 2.0 UN Nr 1950 Proper shipping name Aerosols, flammable Label
ICAO/IATA: Class UN Nr 1950 Proper shipping name Aerosols, flammable Label
IMDG : Class 2.1 UN 1950

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

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.