

SOLENT WELD FLAW FINDER DYE PENETRANT

Date of First Issue 16.2.04

Revision Date:

1. **Identification Code:** SOL 732-0260K

Commercial Name: SOLENT WELD FLAW FINDER DYE PENETRANT

Emergency Telephone Number: 0116 288 8000

IDENTIFICATION OF THE SUBSTANCE/PREPARATION SPECIFICATION & INTENDED USE:

PRODUCT NAME: SOLENT WELD FLAW FINDER DYE PENETRANT AEROSOL 500 ML

PART NO: SOL 732-0260K SF2 500B

INTENDED USE AND SPECIFICATION:

Solent Weld Flaw Dye Penetrant is designed to penetrate into small cracks, splits and defects in the weld surface. Formulated to react with the Solent Flaw Finder Developer Fluid to highlight the weld defects to allow further work to rectify the faults. The dye is red in colour when used with the Developer the dye turns pink in colour.

2. COMPOSITION/INFORMATION ON INGREDIENTS – NON-HAZARDOUS MAY NOT BE LISTED:

INGREDIENTS:	CAS NO:	EINECS NR:	CLASSIFICATION:	QUANTITY:
Odourless Kerosene	64742-47-8	265-149-8	Xn R-65, 66	10-30%
Dichloromethane	75-09-2	200-838-9	Xn R-40 Carc3	30-60%
Carbon Dioxide	124-38-9	204-696-9	-Not classified	1-5%
Mineral Oil	64742-52-5	265-155-0	-Not classified	10-30%

The Full Text for all R-Phrases are Displayed in Section 16

3. **HAZARDS IDENTIFICATION:** Limited evidence of a carcinogenic effect. Carcinogen Category 3..

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

SKIN: Wash skin immediately with soap and water. Get medical attention if any discomfort continues.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use: Powder. Dry chemicals, Dolomite etc., Water spray, fog or mist
SPECIAL FIRE FIGHTING PROCEDURES:	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEAN-UP METHODS:	Place leaking aerosol cans in a bucket or similar container. Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat, and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
-------------------------	---

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
STORAGE PRECAUTIONS:	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
Carbon Dioxide	124-38-9	OES	5000 ppm	15000 ppm
Dichloromethane	75-09-2	MEL	100 ppm	300 ppm

INGREDIENT COMMENTS:	OES = Occupational Exposed Standard. MEL = Maximum Exposure Limited LT EXP = Long Term Exposure ST EXP = Short Term Exposure
----------------------	--

PROTECTIVE EQUIPMENT:	Safety Glasses / Gloves are advised when using this product.
VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Wear approved chemical safety goggles where eye exposure is reasonably probable.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK PRACTICES:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly wash if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Aerosol
COLOUR: Red
ODOUR/TASTE: Characteristic
SOLUBILITY DESCRIPTION: Insoluble in water
FLAMMABILITY LIMIT – LOWER(%): 0.6
FLAMMABILITY LIMIT – UPPER(%): 22.0

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Avoid contact with: strong oxidising agents. Strong alkalis. Strong mineral acids.

HAZARDOUS
DECOMPOSITION PRODUCTS: Fire creates: Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO).
Carbon dioxide (CO²).

11. TOXICOLOGICAL INFORMATION:

HEALTH HAZARDS, GENERAL: Known or suspected carcinogen for humans.

INHALATION: May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system.

INGESTION: May cause discomfort if swallowed. May cause stomach pain or vomiting
Gastrointestinal symptoms, including upset stomach.

SKIN: Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

EYES: Irritating to eyes. May cause chemical eye burns.

ROUTE OF ENTRY: Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: Volumes packed in aerosol are unlikely to pose a significant environmental hazard.
Dangerous for the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Empty containers must not be burned because of explosion hazard.
Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:	TOXIC GAS
UN NO. ROAD:	1950
UK ROAD TRANSPORT CLASS:	2.2
UK ROAD PACK GR:	Not Applicable
ADR CLASS No:	2
ADR CLASS:	Class 2: Gases: Compressed, liquefied or dissolved under pressure.
ADR PACK GR.	Not Applicable
ADR LABEL No:	2.2 & 6.1
CEFIC TEC(R) No:	20G53
PROPER SHIPPING NAME 1:	AEROSOLS
RID CLASS No:	2
RID PACK GR.	Not Applicable
UN NO. SEA	1950
IMDG CLASS:	2.2
IMDG PACK GR:	Not Applicable
EmS No:	2-13
MFAG TABLE No:	See Guide
MARINE POLLUTANT:	No.
UN NO. AIR:	1950
ICAO CLASS:	2.2
AIR SUB CLASS:	6.1
AIR PACK GR:	Not Applicable

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:	HARMFUL
RISK PHRASES:	R-40 Limited evidence of a carcinogenic effect. R-66 Repeated exposure may cause skin dryness or cracking R-65 Harmful – may cause lung damage if swallowed
SAFETY PHRASES:	S-2 Keep out of reach of children. S-23C Do not breathe vapour/spray. S-36/37 Wear suitable protective clothing and gloves. S-51 Use only in well ventilated areas.
UK REGULATORY REFERENCES:	The Chemicals (Hazard Information & Packing for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
STATUTORY INSTRUMENTS:	Control of Substances Hazardous to Health Regulations 2002.. Chemicals (Hazard Information and Packing for Supply) Regulations 2002.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limited EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG (108).

16. OTHER INFORMATION:

R-PHRASES (FULL TEXT):

R-65 Harmful: may cause lung damage if swallowed.

R-66 Repeated exposure may cause skin dryness or cracking.

R-40 Limited evidence of a carcinogenic effect.

DISCLAIMER

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.