



SAFETY DATA SHEET
FLAWFINDER DYE PENETRANT SPRAY

Page 1
Issued: 16/08/2010
Revision No: 10

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: FLAWFINDER DYE PENETRANT SPRAY
Use of substance / preparation: Dye penetrant.
Company name: ROCOL
ROCOL House
Swillington
Leeds
West Yorkshire
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ENGLAND
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2. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: CARBON DIOXIDE AEROSOL PROPELLANT 1-5%
EINECS: 204-696-9 CAS: 124-38-9
[-]
• ISOPARAFFINIC HYDROCARBON 30-60%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65; [-] R66
• WHITE MINERAL OIL 30-60%
EINECS: 232-455-8 CAS: 8042-47-5
• PETROLEUM DISTILLATE (SEVERE) HYDROTREATED 1-5%
CAS: 64742-53-6
[Xn] R20

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.
Inhalation: Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray to cool containers. Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do not use water.
Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.
Environmental precautions: Do not discharge into drains or rivers.

[cont...]

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
Storage conditions: Store in cool, well ventilated area. Keep away from direct sunlight.
Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: CARBON DIOXIDE AEROSOL PROPELLANT
WEL (8 hr TWA): 5000ppm 9150mg/m³ WEL (15 min STEL): 15000ppm 27400mg/m³

- ISOPARAFFINIC HYDROCARBON
WEL (8 hr TWA): 1000mg/m³
- WHITE MINERAL OIL
WEL (8 hr TWA): 5 mg/m³ WEL (15 min STEL): 10 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Respiratory protection not normally required.
Hand protection: Nitrile gloves. Neoprene gloves. PVA gloves.
Eye protection: Safety glasses with side-shields.
Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol
Colour: Red
Odour: Characteristic odour
Evaporation rate: Slow
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Not miscible
Viscosity: Oily
Flash point°C: 75 min
Relative density: < 1

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Direct sunlight. Heat.
Materials to avoid: Strong oxidising agents. Strong reducing agents.
Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Non-volatile. Readily absorbed into soil.
Persistence and degradability: Only slightly biodegradable.
Bioaccumulative potential: No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1950
Classification code: 5A

ADR Class: 2

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FLAWFINDER DYE PENETRANT SPRAY

Shipping name: AEROSOLS

Labelling: 2.1



IMDG / IMO

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.1

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.



Risk phrases: R12: Extremely flammable.

R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S16: Keep away from sources of ignition - No smoking.

S24: Avoid contact with skin.

S51: Use only in well-ventilated areas.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Haz. ingredients (label): ISOPARAFFINIC HYDROCARBON

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: EC Directive 1999/45/EC relating to the classification, packaging and labelling of dangerous preparations.
EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.
EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.

Risk phrases used in s.3: None

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R20: Harmful by inhalation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.