



Castle Chemicals Limited

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MATERIAL SAFETY DATA SHEET

45% 2246 Dispersion

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

Product label name	45% 2246 dispersion
Supplier	Castle Chemicals Ltd, Peak House, 6 Oxford Road, Altrincham, Cheshire, WA14 2DY Tel: +44 161 608 8800 Fax: +44 161 608 1910 E-mail: sales@castlechemicals.com

2. COMPOSITION INFORMATION ON INGREDIENTS

3. HAZARDS IDENTIFICATION

Main Hazards:	May cause long-term adverse effects in the aquatic environment.
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4. FIRST AID MEASURES

Eye contact	In case of contact with eyes rinse immediately with plenty of water for 15 minutes. Seek medical attention.
Skin contact	Remove contaminated clothing and wash immediately with soap and water. If symptoms develop seek medical advice.
Inhalation	Remove patient to fresh air. Seek medical advice if ill effects occur.
Ingestion	Wash out mouth with water and give water to drink. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Special hazards	May be irritating on repeated or prolonged contact. Residue may support combustion.
Protective equipment	Self-contained breathing apparatus should be worn in fire conditions.
Extinguishing agents	Carbon Dioxide, water, Alcohol resistant foam and dry chemical powder

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Use overalls, eye protection, rubber boots and impervious gloves during removal of spillages.
Environmental precautions	Do not allow to enter drains, sewers or water courses.
Methods for clearing up	Absorb spillages onto sand, earth or any suitable absorbent. Transfer to a container for correct disposal and wash area clean.

7. HANDLING AND STORAGE

Safe handling advice	Avoid contact with skin and eyes. Avoid inhalation of high concentrations of vapour/mists. If allowed to dry out: Avoid inhalation of high concentrations of dust.
Requirements for storage	Keep away from oxidizing agents. Keep container tightly closed. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection	Wear suitable respiratory protection when exposed to high levels of material or where the product has dried out and dust residues are present.
Eye protection	Wear eye/face protection.
Hand protection	Wear suitable gloves
Body protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Beige
Odour	barely perceptible odour
Boiling point	Approx 100°C
Melting point	No data
Autoignition temp	No data
Explosion limits	No data

Vapour pressure	No data
Relative Density	1.00 - 1.10
Solubility in water	Miscible
Viscosity	200 - 1500 cps
PH value	8.5 - 11.0
Partition coeff	No data
Oxidising properties	No data
Explosive properties	No data

10. STABILITY AND REACTIVITY

Stability of substance Stable under normal conditions

HAZARDOUS REACTIONS

Conditions to avoid Extremes of temperature. Protect from frost.

Materials to avoid Strong acids, bases.

Hazardous decomposition products The residue of this emulsion may liberate toxic fumes in combustion.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity: Danger of cumulative effects in contact with the skin.

Routes of Exposure: Decomposes on strong heating liberating flammable carbon disulphide.

12. ECOLOGICAL INFORMATION

Mobility No data.

This product is only slightly biodegradable and has negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Retain for recovery. May be re-used following decontamination.

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Road transport ADR/RID Not restricted.

Maritime transport Not restricted.

Air transport ICAO/IATA Not restricted.

15. REGULATORY INFORMATION

Classification according to EEC directives

Symbol	None
R phrase	R53: May cause long term adverse effects in the aquatic environment.
S phrase	S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 2001/58/EEC.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

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