



MATERIAL SAFETY DATA SHEET

45% Anti Oxidant 2246

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name:	45% Anti Oxidant 2246
Use of the substance/preparation	Antioxidant for use in polymer latices.
Supplier	Castle Chemicals Ltd, Peak House 6 Oxford Road, Altrincham, Cheshire WA14 2DY Tel: +44 161 608 8800 Fax: +44 161 608 1910 Email: Info@castlechemicals.com

2. HAZARD IDENTIFICATION

Hazardous Ingredients	May cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility.
-----------------------	------------------------------------------------------------------------------------------------------

3. COMPOSITION INFORMATION ON INGREDIENTS

Hazardous ingredients	ANTIOXIDANT 2246 30-50% CAS 119-47-1 [-] R53; [Xn] R62
-----------------------	--------------------------------------------------------------

4. FIRST AID MEASURES

Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be irritation and redness.
Ingestion	Nausea and stomach pain may occur.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.

5. FIREFIGHTING MEASURES

Extinguishing media	Carbon dioxide. Water. Alcohol resistant foam. Dry chemical powder.
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	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.
Storage conditions	Store in cool, well ventilated area.
Suitable packaging	Stainless steel. Polyethylene.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Ensure there is sufficient ventilation of the area.
Respiratory protection	Self-contained breathing apparatus must be available in case of emergency.
Hand protection	Protective gloves.
Eye protection	Safety goggles.
Skin protection	Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Liquid
Colour	Beige
Odour	Characteristic odour
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Miscible
Viscosity	0 to 600 cps.
Boiling point/range°C	100
Melting point/range°C	0
pH	9.00 - 10.50

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat.
Materials to avoid	Strong acids. Bases.
Haz. decomp. Products	In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Persistence and degradability	Only slightly biodegradable.
Other adverse effects	Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging	Retain for recovery. May be reused following decontamination.
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: Not Classified.
IMDG / IMO	UN no: Not Classified.
IATA / ICAO	UN no: Not Classified.

15. REGULATORY INFORMATION

Hazard symbols	Harmful.
Risk phrases	R53: May cause long-term adverse effects in the aquatic environment. R62: Possible risk of impaired fertility.
Safety phrases	S36/37: Wear suitable protective clothing and gloves. S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
Haz. ingredients (label)	ANTIOXIDANT 2246
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

Latex stabiliser.

Risk phrases used in s.3: R53

May cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

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. Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

MSDS DOCUMENT NO: 45% Anti Oxidant 2246

ISSUE: 1

ISSUE DATE: 6.8.2011