

MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the Substance and Company/Undertaking

1.1 Product Identifier:

1.2 Relevant identified uses of the substance and uses advised against

Use:

Relevant identified uses:

Environmental release category:

Mixture supplied to that use in form of:

Product Category by type of chemical:

Sector of end use:

Uses advised against:

1.3 Details of the supplier of the Safety data Sheet

Address:

Telephone Number:

Email Address:

1.4 Emergency Telephone:

SECTION 2: Hazards Identification

2.1 Classification of the mixture

2.1.1 Classification according to Regulation (EC) No

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1272/2008 (including amendments):

2.1.2 Classification according to EU Directive 67/548/EEC (including amendments):

2.2 Label elements:

Signal word:

Hazard statements:

Precautionary statements:

Prevention:

Storage:

2.3 Other Hazards:

2.4 Additional Information:

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Product identifier type in accordance with Article 18(2) of Regulation (EC) No 1272/2008	Identifier number	Identification name	Weight % content (or range)	EC Number

SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

Ingestion:

Skin contact:

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Eye contact:

Inhalation:

First Aider Protection:

4.2 Most important symptoms and effects, both acute and delayed

Ingestion:

Skin contact:

Eye contact:

Inhalation:

4.3 Indication of immediate medical attention and special treatment needed

General advice:

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media (small and large fires)

Small Fire:

Large Fire:

Avoid:

5.2.1 Specific Hazards:

5.2.2 Protective equipment and advice for fire fighters:

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency measures

6.1.1 For non-emergency personnel:

6.1.2 For emergency responders:

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6.2 Environmental precautions:

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

6.3.2 For cleaning up:

6.3.3 Other information:

6.4 Reference to other sections:

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling:

7.2 Conditions for safe storage, including any incompatibilities:

7.3 Specific end uses:

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Substance				
CAS No.				
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³

8.2 Exposure controls

8.2.1 Engineering controls:

8.2.2 Personal protective equipment:

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8.2.3 Environmental exposure controls:

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Odour:

Odour threshold:

pH:

Melting point:

Initial boiling point and boiling range:

Flash point:

Evaporation rate:

Flammability:

Upper/lower flammability or explosive limits:

Vapour pressure:

Relative vapour density (air=1):

Relative density (water=1):

Solubility:

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

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Oxidising properties:

9.2 Other information

Critical Temperature:

SECTION 10: Stability and Reactivity

10.1 Reactivity:

10.2 Chemical stability:

10.3 Possibility of hazardous reactions:

10.4 Conditions to Avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:

Skin corrosion/irritation:

Serious eye damage/
irritation:

Respiratory or skin
sensitisation:

Germ cell mutagenicity:

Carcinogenicity:

Reproductive toxicity:

STOT-single exposure:

STOT-repeated exposure:

Aspiration hazard:

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Further information:

SECTION 12: Ecological Information

12.1 Toxicity:

12.2 Persistence and degradability:

12.3 Bioaccumulative potential:

12.4 Mobility in soil:

12.5 Results of PBT and vPvB assessment:

12.6 Other adverse effects:

SECTION 13: Disposal Considerations

13.1 Waste treatment methods:

SECTION 14: Transport Information

14.1 UN Number:

14.2 UN proper shipping name:

14.3 Transport hazard class:

14.4 Packing group:

14.5 Environmental hazards:

14.6 Special Precautions for user:

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

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SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture:

15.2 Chemical Safety Assessment:

SECTION 16: Other Information

Methods of evaluation:

References:

Abbreviations:

The information contained herein is carefully presented, based on the data we have. However, all precautions described herein are for normal handling, not for special handling. Please establish the safe usage in accordance with your handling procedures by reference to this SDS and applicable laws and guidance. In addition, the description, composition, and physical/chemical properties are typical values and not guaranteed for this product.

Appendix 1: Exposure Scenarios
