

Safety Data Sheet

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

1.1 Product identifiers

Product name :

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses :

1.3 Details of the supplier of the safety data sheet

Company :

Telephone :

Fax :

E-mail address :

Web site :

1.4 Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS / CLP]

Physical hazard

Health hazard

Environment hazard

Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram

Signal word :

Hazard statement(s)

Precautionary statement(s)

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)

R-phrase(s)

S-phrase(s)

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Ingredients	CAS No.	Conc. %	EC No.	Classification

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of eye contact

In case of skin contact

If inhaled

If swallowed

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

5.2 Special hazards arising from the substance or mixture

5.3 Precautions for fire-fighters

5.4 Further information

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

6.3 Methods and materials for containment and cleaning up

6.4 Reference to other sections

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end uses

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls :

Respiratory protection :

Hand protection :

Eye protection :

Skin and body protection :

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:

b) Odour :

c) Odour Threshold :

d) pH :

e) Melting/freezing point :

f) Initial boiling point and boiling range :

g) Flash point :

h) Evaporation rate :

i) Flammability

j) Upper/lower flammability or explosive limits :

- k) Vapour pressure :
- l) Vapour density :
- m) Relative density :
- n) Water solubility :
- o) Partition coefficient : n-octanol/water :
- p) Autoignition temperature :
- q) Decomposition temperature :
- r) Viscosity :
- s) Explosive properties :
- t) Oxidizing properties :

9.2 Other safety information

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

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
 - Acute toxicity
 - Skin irritation
 - Eye irritation
 - Respiratory or skin sensitization
 - Germ cell mutagenicity
 - Carcinogenicity
 - Reproductive toxicity
 - Specific target organ toxicity – single exposure (GHS)
 - Specific target organ toxicity – repeated exposure (GHS)
 - Aspiration hazard

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

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

14. TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID : IMDG : IATA :

14.2 UN proper shipping name

ADR/RID : IMDG : IATA :

14.3 Transport hazard class(es)

ADR/RID : IMDG : IATA :

14.4 Packaging group

ADR/RID : IMDG : IATA :

14.5 Environmental hazards

ADR/RID : IMDG Marine pollutant: IATA:

14.6 Special precautions for users

15. REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment

16. OTHER INFORMATION

Issued Date :

Revision No. :

Revision Date :

Reference

- End -