

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier:
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
- 1.3. Details of the supplier of the safety data sheet:
- 1.3.1. Responsible person:
- 1.4. Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture:
- 2.2. Label elements:
- 2.3. Other hazards:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Substances:
- 3.2. Mixtures:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
			-				
			-				
			-				

SECTION 4: FIRST AID MEASURES

- 4.1. Description of first aid measures:
- 4.2. Most important symptoms and effects, both acute and delayed:
- 4.3. Indication of any immediate medical attention and special treatment needed:

SECTION 5: FIREFIGHTING MEASURES

- 5.1. Extinguishing media:
- 5.1.1. Suitable extinguishing media:

- 5.1.2. **Unsuitable extinguishing media:**
- 5.2. **Special hazards arising from the substance or mixture:**
- 5.3. **Advice for firefighters:**

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures:**
 - 6.1.1. **For non-emergency personnel:**
 - 6.1.2. **For emergency responders:**
- 6.2. **Environmental precautions:**
- 6.3. **Methods and material for containment and cleaning up:**
- 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 use(s):**

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. **Control parameters:**

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

- 8.2. **Exposure controls:**
 - 8.2.1. **Appropriate engineering controls:**

Date of issue:
Date of revision:
Version:

8.2.2. Individual protection measures, such as personal protective equipment:

8.2.3. Environmental exposure controls:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	no data*
2. Colour	no data*
3. Odour, odour threshold	no data*
4. Melting point/freezing point	no data*
5. Boiling point or initial boiling point and boiling range	no data*
6. Flammability	no data*
7. Lower and upper explosion limit	no data*
8. Flash point	no data*
9. Auto-ignition temperature	no data*
10. Decomposition temperature	no data*
11. pH	no data*
12. Kinematic viscosity	no data*
13. Solubility in water in other solvents	no data*
14. Partition coefficient n-octanol/water (log value)	no data*
15. Vapour pressure	no data*
16. Density and/or relative density	no data*
17. Relative vapour density	no data*
18. Particle characteristics	no data*

9.2. Other information:

9.2.1. Information with regard to physical hazard classes:

9.2.2. Other safety characteristics:

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 hazard classes as defined in Regulation (EC) No 1272/2008:

11.1.1. Summaries of the information derived from the test conducted:

11.1.2. Relevant toxicological properties:

Date of issue:
Date of revision:
Version:

- 11.1.3. Information on likely routes of exposure:
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
- 11.1.6. Interactive effects:
- 11.1.7. Absence of specific data:
- 11.2. Information on other hazards:

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. Endocrine disrupting properties:
- 12.7. Other adverse effects:

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods:
 - 13.1.1. Information regarding the disposal of the product:
 - 13.1.2. Information regarding the disposal of the packaging:
 - 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:
 - 13.1.4. Sewage disposal:
 - 13.1.5. Special precautions for any recommended waste treatment:

SECTION 14: TRANSPORT INFORMATION

- 14.1. UN number or ID number:
- 14.2. UN proper shipping name:
- 14.3. Transport hazard class(es):
- 14.4. Packing group:
- 14.5. Environmental hazards:
- 14.6. Special precautions for user:
- 14.7. Maritime transport in bulk according to IMO instruments:

Date of issue:
Date of revision:
Version:

SECTION 15: REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
- 15.2. Chemical safety assessment:

SECTION 16: OTHER INFORMATION

Safety data sheet was prepared by:
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