



**GESAMP**

Joint Group of Experts on the  
Scientific Aspects of Marine  
Environmental Protection

## GESAMP/EHS Product Data Reporting Form

Characteristics of Liquid Chemicals Propose for Marine Transport

Date of submission  
[dd/mm/yy] \_\_\_\_\_

### Section 1 – Product Identity

Proper Shipping Name\*

Main Chemical Name

Main Trade Name

Synonyms


\*This is the first name that should appear on the shipping documentation and will be reflected in the IBC Code

### Section 2 – Product Identification Numbers

CAS Number

EHS Number

UN Number


### Section 3 – Product Chemical Details

Chemical Formula:

Physical State During Transport:  
(liquid, solution (with %) or molten)

Chemical Structure:


### Section 4 – Composition

Component name	%	Range	Type

**Section 5 – Physical Properties**

Property	Qual	Value or Range	References and Comments
Molecular Weight			
Density @ 20°C (kg/m <sup>3</sup> )			
Flash Point (cc) (°C)			
Boiling Point (°C)			
Melting Point/Pour Point (°C)			
Water solubility @ 20°C (mg/l)			
Viscosity @ 20°C (mPa.s)			
Vapour Pressure @ 20°C (Pa)			
SVC @ 20°C (mg/l)			

**Notes:**

1. If values are not available at 20°C temperature, please provide the value and reference temperature.
2. SVC refers to saturated vapour concentration. This value is used to assess the inhalation hazard for products that may be toxic by inhalation, but may not produce vapours in sufficient concentrations to constitute an inhalation hazard.

**Section 6 – Relevant Chemical Properties**

**Water Reactivity (0 – 2)**

- 0 Any chemical which, in contact with water, would not undergo a reaction to justify a value of 1 or 2.
- 1 Any chemical which, in contact with water, may generate heat or produce a non-toxic, non-flammable or non-corrosive gas.
- 2 Any chemical which, in contact with water, may produce a toxic, flammable or corrosive gas or aerosol.

**Details/References**

Does the product react with air to cause a potentially hazardous situation? (Y/N)

If so, provide details

Reference

Is an Inhibitor or Stabilizer needed to prevent a hazardous reaction? (Y/N)

If so, provide details

Reference

Is refrigeration needed to prevent a hazardous reaction? (Y/N)

If so, provide details

Reference

**Section 7 – Mammalian Toxicity**

**7.1 Acute Toxicity**

		Qual	Value or Range	Species	Reference/Comments
Oral ATE/LD <sub>50</sub>	(mg/kg)				
Dermal ATE/LD <sub>50</sub>	(mg/kg)				
Inhalation ATE/LC <sub>50</sub>	(mg/l/4h)				

**7.2 Corrosivity and Irritation**

	Observation	Species	Reference/Comments
Skin Irritation/Corrosion*			
Eye Irritation			
* If corrosive, exposure time (hrs)			

**Options:** not irritating, mildly irritating, irritating, severely irritating or corrosive

**7.3 Sensitization**

	Y/N	Reference/Comments
Respiratory Sensitizer (in humans)		
Skin Sensitizer		

**7.4 Other Specific Long-term Effects**

	Y/N	Reference/Comments
Carcinogenic		
Mutagenic		
Toxic to reproduction		
Other long-term effects		

**7.5 Relevant Mammalian Toxicity**

**Acute Mammalian Oral Toxicity Data Taken Into Account**

Effect	Qual	Value or Range	Units	Species	Reference

**Acute Mammalian Dermal Toxicity Data Taken Into Account**

Effect	Qual	Value or Range	Units	Species	Reference

**Acute Mammalian Inhalation Toxicity Data Taken Into Account**

Effect	Qual	Value or Range	Units	Species	Reference

**Skin Irritation/Corrosion Data**

Qty (mg)	Cover	Exp. Time (hrs)	Species	Observation	Reference

**Eye Irritation Data**

Qty (mg)	Cover	Exp. Time (hrs)	Species	Observation	Reference

**Additional Notes on Mammalian Toxicity**

**Section 8 – Aquatic Toxicity, Bioaccumulation and Biodegradation**

**8.1 Acute Toxicity**

	Units	Qual	Value or Range	Species	Reference
Fish LC <sub>50</sub>	mg/l/96h				
Crustacea EC <sub>50</sub>	mg/l/48h				
Algae IC <sub>50</sub>	mg/l/72h				

**8.2 Chronic Toxicity**

	Units	Qual	Value or Range	Species	Reference
Fish LC <sub>50</sub>	mg/l/96h				
Crustacea EC <sub>50</sub>	mg/l/48h				
Algae IC <sub>50</sub>	mg/l/72h				

**8.3 Biodegradation and Bioaccumulation**

Test	Units (%)	Qual	Value	Method
28d Biodegradation				
BOD <sub>5</sub>				
COD				
BCF				
Log Pow				
Reference				

**8.4 Acute Fish Toxicity Taken Into Account**

Effect	Qual	Value or Range	Units	Species	Reference

**8.5 Acute Crustacea Toxicity Taken Into Account**

Effect	Qual	Value or range	Units	Species	Reference

**8.6 Acute Algal Toxicity Taken Into Account**

Effect	Qual	Value or Range	Units	Species	Reference

**8.7 Bioaccumulation – BCF values**

Qual	Value or Range	Duration (days)	Species	Reference

**8.8 Bioaccumulation – Log Pow Values**

Qual	Value or Range	Duration (days)	Species	Reference

**8.9 Biodegradation Values**

Qual	Value or Range	Duration (days)	Species	Reference

**8.10 Additional Aquatic Toxicity Notes**

**8.11 Additional Bioaccumulation Notes**

**8.12 Additional Biodegradation Notes**

**Section 9 – SUBMISSION INFORMATION**

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