

REVISED GESAMP/EHS PRODUCT DATA REPORTING FORM

Characteristics of liquid chemicals proposed for bulk marine transport

Date of submission (dd/mm/yyyy)

Brief guidance on the type of content to be entered in each field is provided in italicized text.

Manufacturers of formulated mixtures containing unassessed components are advised to make separate submissions for each unassessed component in order for GESAMP/EHS to assign a GESAMP Hazard Profile (GHP) to each component. If all components in a mixture have a separate GHP, a submission can subsequently be made to the ESPH Technical Group to assess the mixture for inclusion as a trade-named mixture of the MEPC.2/Circular (see paragraphs 5.7 to 5.11 of PPR.1/Circ.11).

All data on the form should reflect the product or component to be assessed for inclusion in the GESAMP Composite List (i.e., a pure or technically pure substance, a mixture assessed as a whole, or a component of a formulated mixture).

In case of the use of read-across, a rationale in accordance with the guidance in [GESAMP Reports and Studies No.102](#) should be provided.

Section 1 – Product identity

Proposed EHS name	<i>Name to be reflected in the GESAMP Composite List (the IMDG Proper Shipping Name is not applicable)</i>
Chemical name	<i>If different from above</i>
Trade name(s)	<i>Trade name(s) (optional)</i>
Synonyms	<i>Synonyms or code names for the product used in supporting documentation which represent its exact chemical composition</i>

Section 2 – Product identification numbers

CAS number	<i>CAS number of pure or technically pure product or CAS number of complex reaction product</i>
EHS number (if re-evaluation)	<i>For requests for re-evaluation of a product, provide the EHS number from the GESAMP Composite List</i>
UN number (if applicable)	<i>Applicable if product has a UN number</i>

Section 3 – Product chemical details

Chemical formula:	<i>Chemical formula of product</i>
Physical description of the product: (e.g., liquid or solid, solution (with %))	<i>In the case of a solution, include chemical name of solvent (e.g., water)</i>
Chemical structure: <i>Chemical structure of the product which reflects the product's composition as shown in section 4</i>	

Section 4 – Composition

Component name	%	Range	Type
<i>Chemical name (use new row per chemical component)</i>	<i>Typical percentage in product</i>	<i>Percentage range in product</i>	<i>(Main) component (one or more) Solvent Additive (indicate function) Impurity*</i>

* For a polymer, include identity and concentration data for residual monomers

Section 5 – Physical properties

Property	Qual	Value or range	References and comments
Molecular weight			
Density @ 20°C	(kg/m ³)		
Flash point	(°C)		
Boiling point	(°C)		
Melting point or pour point	(°C)		
Water solubility @ 20°C	(mg/L)		
Viscosity @ 20°C	(mPa·s)		
Vapour pressure @ 20°C	(Pa)		

Notes:

- Physical properties should be of product as shipped
- If values are not available at 20°C temperature, please provide the value and reference temperature
- Qual: indicate qualifier such as greater than, less than, equals, approximately, etc., if appropriate
- Comments column should clearly indicate origin of value (literature reference, estimation method, etc.)

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/reference

Does the product react with air to cause a potentially hazardous situation?

(Y/N)

If so, provide details/reference:

Is an inhibitor, stabilizer or refrigeration needed to prevent a hazardous reaction?

(Y/N)

If so, provide details/reference:

Section 7 – Mammalian toxicity

For the reference/comments column:

- Indicate whether study data are on the product itself, (main) component(s) in the product or on a chemical used for read-across.
- Provide a reference to study report(s) or regulatory summary file(s), including specific test method (e.g., OECD Guidelines number).
- In the case of multiple relevant studies, provide a summary for each endpoint or indicate the key study and rationale for its selection.

7.1 Acute toxicity

	Qual	Value or range	Species	Reference/comments
Oral ATE/LD ₅₀ (mg/kg)				
Dermal ATE/LD ₅₀ (mg/kg)				
Inhalation ATE/LC ₅₀ (mg/L/4h)				

7.2 Corrosivity and irritation

	Observation	Test system/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	Study result/reference/comments
Respiratory sensitizer (in humans)		
Skin sensitizer		

7.4 Other specific long-term effects

	Y/N	Study result/reference/comments
Carcinogenic		
Mutagenic		
Toxic to reproduction		
Other long-term effects		

Additional notes on mammalian toxicity, if any

Section 8 – Aquatic toxicity, bioaccumulation and biodegradation

For the reference/comments column:

- Indicate whether study data are on the product itself, (main) component(s) in the product or on a chemical used for read-across
- Provide a reference to study report(s) or regulatory summary file(s), including specific test method (e.g., specific OECD test guideline).
- In the case of multiple relevant studies, provide a summary for each endpoint or indicate the key study and rationale for its selection.

8.1 Acute toxicity

		Qual	Value or range	Species	Reference/comments
Fish LC ₅₀	(mg/L)				
Crustacea EC ₅₀	(mg/L)				
Algae IC ₅₀	(mg/L)				

8.2 Chronic toxicity

		Qual	Value or range	Species	Reference/comments
Fish LC ₅₀	(mg/L)				
Crustacea EC ₅₀	(mg/L)				
Algae IC ₅₀	(mg/L)				

8.3 Biodegradation and bioaccumulation

Test	Units	Qual	Value	Method/comments/reference
28d Biodegradation				
BOD ₅				
COD				
BCF				
Log Pow				

Additional notes on aquatic toxicity/bioaccumulation/biodegradation, if any

Section 9 – Additional submission information

This section is optional and is to be used for any additional information the manufacturer may wish GESAMP/EHS to take into account, such as additional detailed composition information, whether the product is to be shipped as a pure or technically pure product or as a component in a formulated mixture, if it is linked to an existing TPA, and/or links to additional online regulatory information (e.g., ECHA).