

**Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878**

Printing date: 08/02/2023

Revision: N/A

Trade name: BIAB

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: BIAB

Product code: SPBIAB01

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Cosmetic applications.

**Application of the substance / the mixture** Consumer applications.

### 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

Unit 1 G3 Business Park, Dolphins Road, Shoreham-By- Sea BN436AN

Further information obtainable from: [contact@thegelbottle.com](mailto:contact@thegelbottle.com)

Email address of the person responsible for this SDS: [contact@thegelbottle.com](mailto:contact@thegelbottle.com)

**1.4 Emergency telephone** 03337720965

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture Product

**definition:** Mixture.

**Classification according to Regulation (EC) No 1272/2008** Skin

Irrit. 2, H315

Eye Irrit. 2, H319

Skin Sens. 1, H317

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

**Hazard pictograms**



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**Signal word** Warning.

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**Hazard statements**

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful to aquatic life with long lasting effects.

**Precautionary statements** General:

Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Prevention:

Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling.

Response:

Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage:

Not applicable.

Disposal:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazardous ingredients** Di-Hema Trimethylhexyl Dicarbamate 2-Hydroxyethyl  
Methacrylate (HEMA)  
Hydroxypropyl methacrylate Ethyl  
Trimethylbenzoyl

phenylphosphinate Violet 2/CI60725 **Supplemental label elements** Not applicable.

**Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** Not applicable.

**Special packaging requirements**

**Containers to be fitted with child resistant fastenings** Not applicable. **Tactile warning of danger** Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures:** Mixtures

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs,

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vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

**\*Type:**

[1] Substance classified with a health or environmental hazard

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Occupational exposure limits, if available, are listed in Section 8.

See Section 16 for the full text of the H statements declared above.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact:** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion:** Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed**Overexposure signs/symptoms

**Eye:** Adverse symptoms may include the following:  
pain or irritation watering  
redness

**Inhalation:** No specific data.

**Skin contact:** Adverse symptoms may include the following: irritation redness  
**Ingestion:** No specific data.

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#### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. **Specific treatment:** No specific treatment.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire. **Unsuitable extinguishing media:** None known.

#### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance/mixture:** In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: carbon dioxide carbon monoxide  
nitrogen oxides phosphorus  
oxides

#### 5.3 Advice for firefighters

**Protective actions:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. **Protective equipment:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

**6.3 Methods and material for containment and cleaning up:**

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**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an

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effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**6.4 Reference to other sections**

See Section 1 for information emergency contact information.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See

Section 13 for disposal information.

**SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**7.1 Precautions for safe handling**

**Protective measures:** Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupation hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

**7.3 Specific end use(s)** No further relevant information available.

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## **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### **8.1 Control parameters**

**Occupational exposure limits:**

No exposure limit value known.

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**Biological exposure indices:** No exposure indices known.

**Recommended monitoring procedures:** Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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**PNECs**

No PNECs available.

**8.2 Exposure controls**

**Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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**Individual protection measures**

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**9.1 Information on basic physical and chemical properties Appearance:**

Physical state: Liquid.  
Color: Clear.  
Odor: Characteristic. pH-value: Not available.  
Specific gravity: Not available. Refractive index: Not available.  
Vapor pressure:

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Ingredient name	Vapor pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Hydroxypropyl methacrylate	0.08	0.011	OECD 104			
2-Hydroxyethyl Methacrylate (HEMA)	0.06	0.008	OECD 104			

Vapor density: Not available.

Viscosity: Not available.

Evaporation rate: Not available.

Solubility:

Media	Result
Water	Insoluble

Partition coefficient: Not available. Boiling

point/Boiling range: Not available.

Melting point: Not available.

Flash point:

Ingredient name	Closed Cup		Open Cup	
	°C	Method	°C	Method
Hydroxypropyl methacrylate	106	EU A.9		
Di-Hema Trimethylhexyl Dicarbamate	>100	EU A.9		

Auto-ignition temperature:

Ingredient name	°C	Method
Isobornyl methacrylate (monoalkyl or monoaryl or monoalkyaryl esters of methacrylic acid)	385	DIN 51794
Ethyl Trimethylbenzoyl phenylphosphinate	423	DIN EN 14522

Decomposition temperature: Not available.

Flammability: Not applicable.

Upper/lower flammability or

Explosive limits: Not available.

Oxidizing properties: Not available.

Explosive properties: Not available.

Volatile organic content (VOC): Not available.

Particle characteristics

Median particle size: Not applicable.

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**9.2 Other information** No additional information.

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## SECTION 10: Stability and reactivity

**10.1 Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

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**10.2 Chemical stability:** The product is stable.

**10.3 Possibility of hazardous reactions:**

Under normal conditions of storage and use, hazardous reactions will not occur.

Under normal conditions of storage and use, hazardous polymerization will not occur.

**10.4 Conditions to avoid:** No specific data.

**10.5 Incompatible materials:** No specific data.

**10.6 Hazardous decomposition products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2009 Acute toxicity:**

**Conclusion/Summary:** Not available.

### Acute toxicity estimates:

N/A

**Primary irritant effect: on the skin:**

Causes skin irritation. **on the eye:**

Causes serious eye irritation.

**Sensitization:**

**Conclusion/Summary:** May cause skin sensitization.

**Mutagenicity:**

**Conclusion/Summary:** Not available.

**Carcinogenicity:**

**Conclusion/Summary:** Not available. **Reproductive toxicity:**

**Conclusion/Summary:** Not available.

**Teratogenicity:**

**Conclusion/Summary:** Not available.

**Specific target organ toxicity (single exposure):**

**Conclusion/Summary:** Not available.

**Specific target organ toxicity (repeated exposure):**

**Conclusion/Summary:** Not available. **Aspiration hazard:**

**Conclusion/Summary:** Not available.

**Information on likely route of exposure:** Oral. Dermal. Inhalation. Eyes.

### Potential acute health effects

**Eye:** Causes serious eye irritation.

**Inhalation:** No known significant effects or critical hazards.

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**Skin contact:** Causes skin irritation. May cause an allergic skin reaction. **Ingestion:** No known significant effects or critical hazards.

Symptoms related physical, chemical and toxicological characteristics **Eye:**

Adverse symptoms may include the following: pain  
or irritation  
watering redness

**Inhalation:** No specific data.

**Skin contact:** Adverse symptoms may include the following: irritation redness **Ingestion:** No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure

**Potential immediate effects:** Not available.

**Potential delayed effects:** Not available.

Long term exposure

**Potential immediate effects:** Not available.

**Potential delayed effects:** Not available.

Potential chronic health effects

**General:** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Reproductive toxicity:** No known significant effects or critical hazards.

## 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** Not available

**11.2.2 Other information** Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary:** Not available.

### 12.2 Persistence and degradability:

**Conclusion/Summary:** Not available.

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**12.3 Bioaccumulative potential:**

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Conclusion/Summary: Not available.

**12.4 Mobility in soil:**

Soil/water partition coefficient (K<sub>oc</sub>): Not available.

Mobility: Not available.

**12.5 Results of PBT and vPvB assessment:**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Endocrine disrupting properties** Not

available.

**12.7 Other adverse effects:** No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods Product**

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste:** The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions:** This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

	ADR/RID/ADN	IMDG	IATA
<b>14.1 UN number</b>	Not regulated.	Not regulated.	Not regulated.

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14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-

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14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

**14.6 Special precautions for user**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments:** Not available.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization**

**Annex XIV:** None of the components are listed.

**Substances of very high concern:** None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** Not applicable.

**Other EU regulations**

**Industrial emissions (integrated pollution prevention and control) – Air:** Not listed.

**Industrial emissions (integrated pollution prevention and control) – Water:** Not listed.

**Ozone depleting substances (1005/2009/EU):** Not listed.

**Prior Informed Consent (PIC) (649/2012/EU):** Not listed.

**Persistent Organic Pollutants:** Not listed.

**Seveso Directive:** This product is not controlled under the Seveso Directive.

**National regulations**

**Biocidal product regulation:** Not applicable. **International**

**regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals:** Not listed. **Montreal Protocol:** Not listed.

**Stockholm Convention on Persistent Organic Pollutants:** Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC):** Not listed. **UNECE**

**Aarhus Protocol on POPs and Heavy Metals:** Not listed.

**15.2 Chemical Safety Assessment:** This product contains substances for which Chemical Safety Assessments are still required.

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**SECTION 16: Other information**

**This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.**

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**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

**Full text of abbreviated H statements** H315 Causes

skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

**Full text of classifications [CLP/GHS]**

Aquatic Chronic 2                      AQUATIC HAZARD (LONG-TERM) – Category 2

Aquatic Chronic 3                      AQUATIC HAZARD (LONG-TERM) – Category 3

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Aquatic Chronic 4	AQUATIC HAZARD (LONG-TERM) – Category 4
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION – Category 2
Skin Sens. 1	SKIN SENSITIZATION – Category 1
Skin Sens. 1B	SKIN SENSITIZATION – Category 1B

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ATE: Acute Toxicity Estimate

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic RRN

= REACH Registration Number vPvB = Very

Persistent and Very Bioaccumulative

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

SGG = Segregation Group

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**End of Safety Data Sheet**