

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: Clear BIAB

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

1.1 Product identifier

Trade name: Clear BIAB (multiple variants due to colorant concentrations)

Product code: BBC01

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

Relevant identified uses: Cosmetic applications.

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

Uses advised against: None.

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

Email address of the person responsible for this SDS: 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

Repr. 2, H361f

STOT SE 3, H335

Aquatic Chronic 2, H411

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

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: Clear BIAB



Signal word Warning.

Hazard statements

- Causes skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause respiratory irritation.
- Suspected of damaging fertility.
- Toxic 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:

Obtain special instructions before use. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling.

Response:

Collect spillage. IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. 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:

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Hazardous ingredients

Dipentaerythritol Hexaacrylate
Hydroxypropyl Methacrylate
2-Hydroxyethyl Methacrylate
Isobornyl Acrylate
Trimethylbenzoyl Diphenylphosphine Oxide
1,3-isobenzofurandione, reaction products with methylquinoline and quinoline (C.I. 47000)

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.

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: Clear BIAB

Special packaging requirements

Containers to be fitted with child resistant fastenings Not applicable.

Tactile warning of danger Yes, 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

Product/Ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-	Type*
				factors and ATEs	
Dipentaerythritol Hexaacrylate	CAS: 29570-58-9 EC/List: 249-6980	≥25 - ≤50	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1]
Hydroxypropyl Methacrylate	CAS: 27813-02-1 EC/List: 248-6663	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
2-Hydroxyethyl Methacrylate (HEMA)	CAS: 868-77-9 EC/List: 212-782-2 Index: 607-12400-X	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]

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: Clear BIAB

Isobornyl Acrylate	CAS: 5888-33-5 EC/List: 227-5616	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	STOT SE 3, H335: C ≥ 10% M [Acute] = 1 M [Chronic] = 1	[1]
1,3-isobenzofurandione, reaction products with methylquinoline and quinoline (C.I. 47000)	CAS: 8000-22-3 EC/List: 232-3182	≥3 - ≤5	Skin Sens. 1, H317	-	[1] [2]
Trimethylbenzoyl Diphenylphosphine Oxide	CAS: 7580-60-8 EC/List: 278-355-8 Index: 015-20300-X	≥3 - ≤5	Repr. 2, H361f (causing atrophy of the testes)	-	[1]
Bis(Methacryloyloxyethyl) Phosphate	CAS: 32435-46-4 EC/List: 251-0402	≥3 - ≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
			Aquatic Chronic 3, H412		

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, 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
- [2] Additional disclosure due to company policy. Substance is present in the formulation based on the colour variant of the product. This is not part of every colour variant of this product.

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

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: Clear BIAB

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 it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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. 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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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: Adverse symptoms may include the following:
respiratory tract irritation
coughing reduced
fetal weight increase
in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following: irritation redness reduced fetal weight
increase in fetal deaths skeletal malformations

Ingestion: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths

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: Clear BIAB

skeletal malformations

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.

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 nonemergency 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. Collect spillage.

6.3 Methods and material for containment and cleaning up:

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: Clear BIAB

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 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.

Seveso Directive – Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
----------	---------------------------------	-------------------------

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: Clear BIAB

E2	200 tonne	500 tonne
----	-----------	-----------

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

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.

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.

DNELs/DMELs

Product name/ingredient	Type	Exposure	Value	Population	Effects
Hydroxypropyl methacrylate	DNEL	Long term Oral	2.5 mg /kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2.5 mg /kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4.2 mg /kg bw/day	Workers	Systemic
Product name/ingredient	Type	Exposure	Value	Population	Effects
	DNEL	Long term Inhalation	8.8 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	14.7 mg/m ³	Workers	Systemic

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: Clear BIAB

2-Hydroxyethyl Methacrylate (HEMA)	DNEL	Long term Oral	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.3 mg /kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.9 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	4.9 mg/m ³	Workers	Systemic
Isobornyl Acrylate	DNEL	Long term Oral	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.39 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.45 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	4.9 mg/m ³	Workers	Systemic
1,3-isobenzofurandione, reaction products with methylquinoline and quinoline (C.I. 47000)	DNEL	Long term Oral	0.148 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.258 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.592 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.04 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	83 mg /kg bw/day	General population	Systemic
Trimethylbenzoyl Diphenylphosphine Oxide	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	3.5 mg/m ³	Workers	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

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: Clear BIAB

Appropriate engineering controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. **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.

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:

Multiple variants based on the characteristics of the colorants.

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: Clear BIAB

Odor: Characteristic of base.

pH-value: Not available.

Specific gravity: 1 to 1.2

Refractive index: Not available.

Vapor pressure:

Ingredient name	Vapor pressure at 20°C	Vapor pressure at 50°C
-----------------	------------------------	------------------------

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: Clear BIAB

	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	Slightly soluble.

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
Isobornyl Acrylate	104			
Hydroxypropyl methacrylate			111	ASTM D 92

Auto-ignition temperature:

Ingredient name	°C	Method
Isobornyl Acrylate	375	

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.

9.2 Other information No additional information.

SECTION 10: Stability and reactivity

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

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions:

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: Clear BIAB

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: May cause respiratory irritation.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

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: Clear BIAB

Symptoms related physical, chemical and toxicological

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

Inhalation: Adverse symptoms may include the following:
respiratory tract irritation
coughing reduced
fetal weight increase
in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:
irritation redness
reduced fetal weight
increase in fetal deaths skeletal malformations

Ingestion: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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: Suspected of damaging fertility.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available

11.2.2 Other information

Not available.

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: Clear BIAB

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary: Not available.

12.2 Persistence and degradability:

Conclusion/Summary: Not available.

12.3 Bioaccumulative potential:

Conclusion/Summary: Not available.

12.4 Mobility in soil:

Soil/water partition coefficient (K_{oc}): 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.

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: Clear BIAB

SECTION 14: Transport information

	ADR/RID/ADN	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl Acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl Acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl Acrylate)
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.

Additional information

ADR/RID:

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Tunnel code (-)

ADN:

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG:

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA:

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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.

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

Printing date: 08/02/2023

Revision: N/A

Trade name: Clear BIAB

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 controlled under the Seveso Directive. See Section 7.2 for Danger criteria and category.

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.

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.

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
Repr. 2, H361f	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements H315

- Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H361f Suspected of damaging fertility.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

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

Printing date: 08/02/2023

Revision: N/A

Trade name: Clear BIAB

H412 Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Aquatic Acute 1	AQUATIC HAZARD (ACUTE) – Category 1
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM) – Category 1
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) – Category 2
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) – Category 3
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2
Repr. 2	TOXIC TO REPRODUCTION – Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION – Category 2
Skin Sens. 1	SKIN SENSITIZATION – Category 1
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3

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

**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: Clear BIAB

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

SGG = Segregation Group

End of Safety Data Sheet