

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

Printing date: 08/02/2023

Trade name: BIAB™ 22 Shades

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

1.1 Product identifier Trade name:

BIAB™ 22 Shades

Product code: BB01

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:

606 SE Madison St., Portland, OR 97214

Further information obtainable from: Info@TheGelBottle.com

Email address of the person responsible for this SDS: Info@TheGelBottle.com

1.4 Emergency telephone number:

510-736-5757

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 Dam. 1, H318

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

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Signal word Danger.

Hazard statements

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

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. Immediately call a POISON CENTER or doctor.

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

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

ingredients

Hexaacrylate

Supplemental label elements Not applicable.

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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 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, Mfactors and ATEs | Type* |
|------------------------------------|--|-----------|---|--|-------|
| 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] |

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| | | | | | |
|---|---|-----------|--|--|-------------|
| Isobornyl Acrylate | CAS: 5888-33-5 EC/List: 227-5616 | ≥10 - ≤19 | 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] [3] |
| 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 | - | [1] |
| | | | Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | | |
| Acrylic acid | CAS: 79-10-7 EC/List: 201-177-9 Index: 607-06100-8 | ≥3 - ≤5 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 | ATE [Oral] = 500 mg/kg ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/l M [Acute] = 1 | [1] [2] [3] |

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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, 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] Substance with a workplace exposure limit
- [3] 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**

Eye Contact: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.

Inhalation: Get medical attention immediately. Call a poison center or physician. 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. 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: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. **Ingestion:** Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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

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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: pain or irritation redness blistering may occur 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

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

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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:

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

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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 |
|----------|---------------------------------|-------------------------|
| 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:

| Product/Ingredient name | Exposure limit values |
|-------------------------|--|
| Acrylic acid | EU OEL (Europe, 1/2022). Notes: list of indicative occupational exposure limit values STEL: 20 ppm 15 minutes. STEL: 59 mg/m ³ 15 minutes. TWA: 10 ppm 8 hours. TWA: 29 mg/m ³ 8 hours. |

Biological exposure indices:

No exposure indices known.

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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 |
| | DNEL | Long term Inhalation | 8.8 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 14.7 mg/m ³ | Workers | Systemic |
| 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 |

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| | | | | | |
|--------------------------------|-------------|---------------------|----------------------|-------------------|----------------|
| | DNEL | Long term Dermal | 1.39 mg/kg bw/day | Workers | Systemic |
| Product name/ingredient | Type | Exposure | Value | Population | Effects |

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| | | | | | |
|---|------|-----------------------|-------------------------|--------------------|----------|
| | 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 |
| Acrylic acid | DNEL | Long term Oral | 0.4 mg /kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 1 mg/cm ² | General population | Local |
| | DNEL | Short term Oral | 1.2 mg /kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 3.6 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 3.6 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 3.6 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 3.6 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 30 mg/m ³ | Workers | Local |

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| | | | | | |
|--|------|-----------------------|----------------------|---------|----------|
| | DNEL | Long term Inhalation | 30 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 30 mg/m ³ | Workers | Systemic |

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| | | | | | |
|--|------|----------------------|----------------------|---------|----------|
| | DNEL | Long term Inhalation | 30 mg/m ³ | Workers | Systemic |
|--|------|----------------------|----------------------|---------|----------|

PNECs

No PNECs available.

8.2 Exposure controls

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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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:

Characteristics of the colorants.

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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 | | |
|------------------------------------|------------------------|-------|----------|------------------------|-----|--------|
| | 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.
 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.

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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.

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 damage.

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 damage.

Inhalation: May cause respiratory irritation.

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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: 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: pain or irritation redness blistering may occur 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.

SECTION 12: Ecological information**12.1 Toxicity**

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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.

SECTION 14: Transport information

| | ADR/RID/ADN | IMDG | IATA |
|----------------|-------------|--------|--------|
| 14.1 UN number | UN3082 | UN3082 | UN3082 |

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| | | | |
|--|--|--|--|
| 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.

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.

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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 Dam. 1, H318 | 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 H226 Flammable

liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

| | |
|-------------------|---|
| Acute Tox. 4 | ACUTE TOXICITY – Category 4 |
| 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 Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2 |
| Flamm. Liq. 3 | FLAMMABLE LIQUIDS – Category 3 |
| Repr. 2 | TOXIC TO REPRODUCTION – Category 2 |
| Skin Corr. 1A | SKIN CORROSION/IRRITATION – Category 1A |
| 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

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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

End of Safety Data Sheet