



MATERIAL SAFETY DATA SHEET
BIAB

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: NL BIAB Clear, White, Cover Warm Pink, Cover Peach, Cover Cool Pink
Use of substance / mixture UV curable Nail polish
Item number 1212073000, 1212073001, 1212073002, 1212073003, 1212073004
Pages 9
Details of the supplier of the safety data sheet:
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National Poison Centre Netherlands tel: +31 (0)30 – 2748888 ‘Only for the purpose of informing medical personnel in cases of acute intoxications’

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Skin Sens. 1, H317

STOT SE 3, H335

Aquatic Chronic 3, H412

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

Ingredients of unknown toxicity;

91.7 percent of the mixture consists of component(s) of unknown oral toxicity

95.8 percent of the mixture consists of component(s) of unknown dermal toxicity

95.8 percent of the mixture consists of component(s) of unknown inhalation toxicity


Ingredients of unknown ecotoxicity;

Contains 86.5 % of components with unknown hazards to the aquatic environment

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

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

2.2. Label elements

| | |
|--------------------------|--|
| Hazard pictogram |  |
| Signal word | Warning |
| Hazard statements | Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. |

| | |
|---------------------------------|---|
| | Harmful to aquatic life with long lasting effects. |
| Precautionary statements | |
| Prevention | Wear protective gloves. Wear eye or face protection. Avoid release to the environment. |
| Response | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. |
| Storage | Store locked up. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazardous ingredients | Polyurethane acrylate oligomer Isobornyl methacrylate Trimethylolpropane trimethacrylate esters 2-hydroxyethyl methacrylate TPO maleic anhydride |

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2.Mixtures

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

Hazardous ingredients

| Product/ingredient name | INCI Name | Identifiers | Min / max % | Classification Regulation (EC) No. 1272/2008 [CLP] | Type |
|---|--|---|-------------|---|------|
| Polyurethane acrylate oligomer | Di-HEMA trimethylhexyl dicarbamate* | CAS: Exempt | 75 - 90 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 | [1] |
| Isobornyl methacrylate | Isobornyl methacrylate | EC: 231-403-1 CAS: 7534-94-3 Index: 607-134-00-4 | 10 - 25 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 | [1] |
| Trimethylolpropane trimethacrylate esters | Trimethylolpropane trimethacrylate | EC: 221-950-4 CAS: 3290-92-4 | <10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 | [1] |
| 2-hydroxyethyl methacrylate | HEMA | EC: 212-782-2 CAS: 868-77-9 Index: 607-124-00-X | <5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 | [1] |
| TPO | Trimethylbenzoyl diphenylphosphine oxide | EC: 278-355-8 CAS: 75980-60-8 Index: 015-203-00-X | <1 | Repr. 2, H361f (Fertility, causing atrophy of the testes) | [1] |
| maleic anhydride | Maleic anhydride | EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9 | <1 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372 (inhalation) | [1] |

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] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
 - [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
 - [5] Substance of equivalent concern
 - [6] Additional disclosure due to company policy
- Occupational exposure limits, if available, are listed in Section 8.

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. |
| 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. If necessary, call a poison center or physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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 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. |
| Ingestion | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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

Over-exposure signs/symptoms

| | |
|--------------|--|
| Eye contact | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | No specific data. |
| Skin contact | Adverse symptoms may include the following: redness irritation |
| Ingestion | No specific data. |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---------------------|---|
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | No specific treatment. |

SECTION 5. FIRE-FIGHTING 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 or 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 combustion products | Decomposition products may include the following materials: carbon dioxide carbon monoxide |

5.3 Advice for firefighters

| | |
|--|---|
| Special protective actions for fire-fighters | 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. |
| Special protective equipment for fire-fighters | 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 fire-fighters (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 materials 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 emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment 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. 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. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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 occupational 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

Shield UV light sources. Do not store above the following temperature: 38°C (100.4°F). 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. Store locked up. 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.

7.3 Specific end use(s)

| | |
|--------------------------------------|---------------|
| Recommendations | Not available |
| Industrial sector specific solutions | Not 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. Contro, parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|-----------------------------------|--|
| Manganese violet | EU OEL (Europe, 2/2017). Notes: list of indicative occupational exposure limit values TWA: 0.2 mg/m ³ , ((as manganese)) 8 hours. Form: Inhalable fraction TWA: 0.05 mg/m ³ , ((as manganese)) 8 hours. Form: Respirable fraction |
| Recommended monitoring procedures | If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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 | No DNELs/DMELs available. |
| PNECs | No PNECs available. |

8.2. Exposure controls

| | |
|---|--|
| Appropriate engineering controls | 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. |
| 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

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------------|
| Physical State | viscous liquid |
| Color | White |
| Odor | Characteristic. Acrylate odor |
| Boiling Point/range | Not available. |
| Melting point/range | Not available. |
| Flash point (°F/°C) | Closed cup: >93.3°C |
| pH | Not available. |
| Relative density | 1.04 |
| Vapour pressure | |
| Vapour density | |
| Solubility In Water | |
| Specific Gravity | |
| Viscosity | |
| % Volatile | |
| Decomposition Temperature | |
| Ignition | |
| Octanol/Water Partioning Coefficient Log Po/w | |
| Flammable Limit (vol%) | |
| Auto-ignition Temperature (vol%) | |

NDA= No Data Available

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

Hazardous polymerization may occur under certain conditions of storage or use.

These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

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 toxicological effects

Acute toxicity

| Hazardous components | Result | Species | Dose | Exposure |
|-----------------------------|-------------|---------|------------|----------|
| 2-hydroxyethyl methacrylate | LD50 Oral | Rat | 5050mg/kg | - |
| maleic anhydride | LD50 Dermal | Rabbit | 2620 mg/kg | - |
| | LD50 Oral | Rat | 400 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|------------------------|---------|-------|----------|-------------|
| Trimethylolpropane trimethacrylate esters | Skin - Mild irritant | Rabbit | | 500 mg | |
| maleic anhydride | Eyes - Severe irritant | Rabbit | | 1% | |

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|----------|-------------------|------------------------------|
| Isobornyl methacrylate | 3 | n/a | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|----------|-------------------|----------------|
| maleic anhydride | 1 | Inhalation | Not determined |

Potential acute health effects

| | |
|---|--|
| Eye contact | Causes serious eye irritation. |
| Inhalation | No known significant effects or critical hazards. |
| Skin contact | Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. |
| Ingestion | No known significant effects or critical hazards. |
| Symptoms related to the physical, chemical and toxicological characteristics | |
| Eye contact | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | No specific data. |
| Skin contact | Adverse symptoms may include the following: redness irritation |
| Ingestion | No specific data. |
| Delayed and immediate effects and also chronic effects from short and long term exposure | |
| Short term exposure | Not available. |

| | |
|---|---|
| Potential immediate effects | Not available. |
| Potential delayed effects | |
| Long term exposure | Not available. |
| Potential immediate effects | Not available. |
| Potential delayed effects | |
| Potential chronic health effects | Not available. |
| Conclusion/Summary | Not available. |
| 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. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental effects | No known significant effects or critical hazards. |
| Fertility effects | Suspected of damaging fertility. |
| | |

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|--|----------------------------------|
| Trimethylolpropane trimethacrylate esters | Acute EC50 3.88 mg/l | Algae | 72 hours |
| 2-hydroxyethyl methacrylate | Acute LC50 2 mg/l Acute LC50 2 mg/l Acute NOEC 0.177 mg/l Acute LC50 227000 µg/l Fresh water | Fish - Oncorhynchus mykiss Algae Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) Fish - Gambusia affinis - Adult | 96 hours 72 hours 96 hours |
| maleic anhydride | Acute LC50 230 ppm Fresh water | Fish - Gambusia affinis - Adult | 96 hours |

12.2 Persistence and degradability

| | |
|--------------------|----------------|
| Conclusion/Summary | Not available. |
|--------------------|----------------|

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---|--------|----------|-----------|
| Isobornyl methacrylate | 5.09 | - | high |
| Trimethylolpropane trimethacrylate esters | 2.749 | - | low |
| 2-hydroxyethyl methacrylate | 0.42 | - | Low |
| TPO | - | 53 to 72 | Low |
| maleic anhydride | -2.78 | - | Low |

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 nonrecyclable 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

| | |
|--|------------------------|
| DOT (49 CFR 172) | |
| Proper Shipping Name | Non-Regulated Material |
| Emergency Response Guidebook (ERG)# | |
| IATA (DGR) | Non-Regulated Material |
| Emergency Response Guidance (ICAO)# | |
| IMO (IMDG) | Non-Regulated Material |
| Special Provisions & Stowage/Segregation | None |
| Emergency Schedule (EmS)# | |
| Other Information | Flash point = >93°C |

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture R36

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 | |
| New Zealand | Not determined. |
| United States | Not determined |
| | |
| 15.2 Chemical Safety Assessment | This product contains substances for which Chemical Safety Assessments are still required. |

SECTION 16. OTHER INFORMATION

16.1. Abbreviations and acronyms

ATE = Acute Toxicity Estimate

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

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

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 |
| STOT SE 3, H335 | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |
| Full text of abbreviated H statements | |
| H302 | Harmful if swallowed. |

| | |
|---|--|
| 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. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H361f | Suspected of damaging fertility. |
| H372 (inhalation) | Causes damage to organs through prolonged or repeated exposure if inhaled. |
| 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, H312 | ACUTE TOXICITY (dermal) - Category 4 |
| Aquatic Chronic 2, H411 | AQUATIC HAZARD (LONG-TERM) - Category 2 |
| Aquatic Chronic 3, H412 | AQUATIC HAZARD (LONG-TERM) - Category 3 |
| Eye Dam. 1, H318 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 |
| Eye Irrit. 2, H319 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| Repr. 2, H361f | TOXIC TO REPRODUCTION (Fertility) - Category 2 |
| Resp. Sens. 1, H334 | RESPIRATORY SENSITIZATION - Category 1 |
| Skin Corr. 1B, H314 | SKIN CORROSION/IRRITATION - Category 1B |
| Skin Irrit. 2, H315 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1, H317 | SKIN SENSITIZATION - Category 1 |
| Skin Sens. 1A, H317 | SKIN SENSITIZATION - Category 1A |
| STOT RE 1, H372 (inhalation) | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (inhalation) - Category 1 |
| STOT SE 3, H335 | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |

Other information:

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