# SAFETY DATA SHEET



according to WHMIS 2015 and ANSI Z400.1-2010

WEICON WP Epoxy Hardener

### Section 1. Identification

| Product identifier | : | WEICON WP Epoxy Hardener |
|--------------------|---|--------------------------|
| Product code       | : | 104902                   |

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

| Supplier's details                                   | : WEICON GmbH & Co. KG<br>Königsberger Str. 255<br>48157 Münster<br>Germany<br>Phone: +49 251 93220<br>Fax: +49(0)251 / 9322 - 244<br>Internet: www.weicon.de |
|--|---|
| e-mail address of person<br>responsible for this SDS | : msds@weicon.de  |

#### National contact

WEICON Canada Inc. 20 Steckle Place, Unit 20 Kitchener, Ontario N2E 2C3, CA www.weicon.ca E-mail: info@weicon.ca Telephone: +1-519-896-5252 Telefax: +1-519-896-5254

| Emergency telephone | : +1 866 928 0789 (24h - Toll free)                             |
|---------------------|---|
| number              | TRANSPORT EMERGENCY CONTACT :+1 866 928 0789 ((24h - Toll free) |

### Section 2. Hazard identification

| Classification of the substance or mixture | : SKIN CORROSION - Category 1B<br>SERIOUS EYE DAMAGE - Category 1<br>SKIN SENSITIZATION - Category 1  |
|--|---|
| GHS label elements                         |   |
| Hazard pictograms                          |   |
| Signal word                                | : Danger  |
| Hazard statements                          | : H314 - Causes severe skin burns and eye damage.<br>H317 - May cause an allergic skin reaction.  |
| Precautionary statements                   |   |
| Prevention                                 | <ul> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P261 - Avoid breathing vapor.</li> </ul>   |
| Response                                   | <ul> <li>P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor.<br/>P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON<br/>CENTER or doctor. Rinse mouth. Do NOT induce vomiting.<br/>P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all<br/>contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER<br/>or doctor.<br/>P363 - Wash contaminated clothing before reuse.<br/>P302 + P352 - IF ON SKIN: Wash with plenty of water.<br/>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> </ul> |
|  |   |

| Date of issue/Date of revision | :05.06.2020 | Date of previous issue | : No previous validation | Version :1 | 1/12 |
|--------------------------------|-------------|------------------------|--------------------------|------------|------|
|--------------------------------|-------------|------------------------|--------------------------|------------|------|

### Section 2. Hazard identification

|          | P305 + P351 + P338, P310 - 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  | : P405 - Store locked up.   |
| Disposal | <ul> <li>P501 - Dispose of contents and container in accordance with all local, regional,<br/>national and international regulations.</li> </ul>  |

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

| Ingredient name   | % (w/w) | CAS number  |
|---|---------|-------------|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with<br>1-chloro-2,3-epoxypropane, reaction products with m-phenylenebis<br>(methylamine) | 5 - 10  | 113930-69-1 |
| benzyl alcohol  | 1 - 5   | 100-51-6    |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 1 - 5   | 2855-13-2   |
| Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine                           | 1 - 5   | 186321-96-0 |
| 2-piperazin-1-ylethylamine  | 0.1 - 1 | 140-31-8    |
| m-phenylenebis(methylamine)   | 0.1 - 1 | 1477-55-0   |

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 and hence require reporting in this section.

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

### Section 4. First-aid measures

| Description of necessary | first ald 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<br>plenty of soap and water. Remove contaminated clothing and shoes. Wash<br>contaminated clothing thoroughly with water before removing it, or wear gloves.<br>Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly<br>by a physician. In the event of any complaints or symptoms, avoid further exposure.<br>Wash clothing before reuse. Clean shoes thoroughly before reuse.   |

### Section 4. First-aid measures

| Ingestion | : Get medical attention immediately. Call a poison center or physician. Wash out<br>mouth with water. Remove dentures if any. Remove victim to fresh air and keep at<br>rest in a position comfortable for breathing. If material has been swallowed and the<br>exposed person is conscious, give small quantities of water to drink. Stop if the<br>exposed person feels sick as vomiting may be dangerous. Do not induce vomiting<br>unless directed to do so by medical personnel. If vomiting occurs, the head should<br>be kept low so that vomit does not enter the lungs. Chemical burns must be treated<br>promptly by a physician. Never give anything by mouth to an unconscious person.<br>If unconscious, place in recovery position and get medical attention immediately.<br>Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or<br>waistband. |
|-----------|--|
|           |  |

#### Most important symptoms/effects, acute and delayed

| most important symptoms/ci   | 100       | to, dedic and delayed   |
|------------------------------|-----------|---|
| Potential acute health effec | <u>ts</u> |   |
| Eye contact                  | :         | Causes serious eye damage.  |
| Inhalation                   | :         | No known significant effects or critical hazards.   |
| Skin contact                 | :         | Causes severe burns. May cause an allergic skin reaction.   |
| Ingestion                    | :         | No known significant effects or critical hazards.   |
| Over-exposure signs/symp     | on        | <u>15</u>   |
| Eye contact                  | :         | Adverse symptoms may include the following:<br>pain<br>watering<br>redness  |
| Inhalation                   | :         | No specific data.   |
| Skin contact                 | :         | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur  |
| Ingestion                    | :         | Adverse symptoms may include the following: stomach pains   |
| Indication of immediate med  | ica       | l attention and special treatment needed, if necessary  |
| Notes to physician           | :         | In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.  |
| Specific treatments          | :         | No specific treatment.  |
| 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. |

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

| Extinguishing media                        |   |
|--|---|
| Suitable extinguishing media               | : Use an extinguishing agent suitable for the surrounding fire.   |
| Unsuitable extinguishing media             | : None known.   |
| Specific hazards arising from the chemical | : In a fire or if heated, a pressure increase will occur and the container may burst.                                 |
| Hazardous thermal decomposition products   | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides |
| Date of issue/Date of revision             | : 05.06.2020 Date of previous issue : No previous validation Version : 1 3/12   |

### Section 5. Fire-fighting measures

| Special protective actions<br>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<br>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.                         |

### Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | :  | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Do not breathe vapor or<br>mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>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".   |
| 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).   |
| Methods and materials for co   | nt | ainment and cleaning up   |
| Small spill                    | :  | Stop leak if without risk. Move containers from spill area. Dilute with water and mop<br>up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry<br>material and place in an appropriate waste disposal container. Dispose of via a   |

licensed waste disposal contractor.

### Section 7. Handling and storage

| Precautions for safe handling                                      |   |  |
|--|---|--|
| Protective measures  | : | Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. 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.  |
| Conditions for safe storage,<br>including any<br>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. 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. See Section 10 for incompatible materials before handling or use.  |

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name                     | Exposure limits   |  |
|-------------------------------------|---|--|
| benzyl alcohol                      | AIHA WEEL (United States, 7/201<br>TWA: 10 ppm 8 hours.   | 8).  |
| m-phenylenebis(methylamin           | CA Alberta Provincial (Canada, 6<br>Absorbed through skin.<br>C: 0.1 mg/m <sup>3</sup><br>CA British Columbia Provincial (0<br>5/2019). Absorbed through skin.<br>C: 0.1 mg/m <sup>3</sup><br>CA Ontario Provincial (Canada, 6<br>Absorbed through skin.<br>C: 0.1 mg/m <sup>3</sup><br>CA Quebec Provincial (Canada, 7<br>Absorbed through skin.<br>STEV: 0.1 mg/m <sup>3</sup> 15 minutes.<br>CA Saskatchewan Provincial (Ca<br>7/2013). Absorbed through skin.<br>CEIL: 0.1 mg/m <sup>3</sup>  | Canada,<br>5/2019).<br>7/2019).            |
| Appropriate engineering<br>controls | user operations generate dust, fumes, gas, vapor or mist, use process e<br>cal exhaust ventilation or other engineering controls to keep worker expo<br>borne contaminants below any recommended or statutory limits.   |  |
| Environmental exposure<br>controls  | nissions from ventilation or work process equipment should be checked<br>ey comply with the requirements of environmental protection legislation.<br>ses, fume scrubbers, filters or engineering modifications to the process<br>uipment will be necessary to reduce emissions to acceptable levels.  |  |
| Individual protection measu         |   |  |
| Hygiene measures                    | ash hands, forearms and face thoroughly after handling chemical produ<br>ting, smoking and using the lavatory and at the end of the working perio<br>propriate techniques should be used to remove potentially contaminate<br>ontaminated work clothing should not be allowed out of the workplace. No<br>ntaminated clothing before reusing. Ensure that eyewash stations and so<br>owers are close to the workstation location.   | od.<br>d clothing.<br>Wash                 |
| Eye/face protection                 | fety eyewear complying with an approved standard should be used whe<br>sessment indicates this is necessary to avoid exposure to liquid splashe<br>ses or dusts. If contact is possible, the following protection should be w<br>less the assessment indicates a higher degree of protection: chemical<br>ggles and/or face shield. If inhalation hazards exist, a full-face respirato<br>quired instead.   | es, mists,<br>/orn,<br>splash              |
| Skin protection                     |   |  |
| Hand protection                     | nemical-resistant, impervious gloves complying with an approved standa<br>worn at all times when handling chemical products if a risk assessment<br>is is necessary. Considering the parameters specified by the glove man<br>eck during use that the gloves are still retaining their protective propertie<br>ould be noted that the time to breakthrough for any glove material may be<br>ferent for different glove manufacturers. Recommended : 1 - 4 hours<br>reakthrough time): nitrile rubber ; 4 - 8 hours (breakthrough time): Vite<br>obber | t indicates<br>lufacturer,<br>es. It<br>be |
| Body protection                     | ersonal protective equipment for the body should be selected based on t<br>ing performed and the risks involved and should be approved by a spec<br>fore handling this product.   |  |

### Section 8. Exposure controls/personal protection

| <b>Respiratory protection</b><br>: 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. Recommended : organic vapor (Type AX) and particulate filter | 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 | appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important   |

## Section 9. Physical and chemical properties

| <u>Appearance</u>                            |   |
|--|---|
| Physical state                               | : Liquid.   |
| Color  | : Black.  |
| Odor   | : Amine-like.   |
| Odor threshold                               | : Not available.  |
| рН   | : 11 [Conc. (% w/w): 50%]                                       |
| Melting point                                | : Not available.  |
| Boiling point                                | : Not available.  |
| Flash point                                  | : Closed cup: >100°C (>212°F)                                   |
| Evaporation rate                             | : Not available.  |
| Flammability (solid, gas)                    | : Not available.  |
| Lower and upper explosive (flammable) limits | : Not available.  |
| Vapor pressure                               | : Not available.  |
| Vapor density                                | : Not available.  |
| Relative density                             | : Not available.  |
| Density                                      | : 2.5 g/cm <sup>3</sup> [20°C]                                  |
| Solubility                                   | : Very slightly soluble in the following materials: cold water. |
| Solubility in water                          | : Not available.  |
| Partition coefficient: n-<br>octanol/water   | : Not available.  |
| Auto-ignition temperature                    | : Not applicable.   |
| Decomposition temperature                    | : Not available.  |
| Viscosity                                    | : Dynamic (room temperature): 50000 mPa·s (50000 cP)            |
| Flow time (ISO 2431)                         | : Not available.  |
|  |   |

### Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : No specific data.  |
| Incompatible materials             | : No specific data.  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name         | Result      | Species | Dose       | Exposure |
|---------------------------------|-------------|---------|------------|----------|
| benzyl alcohol                  | LD50 Dermal | Rabbit  | 2000 mg/kg | -        |
|                                 | LD50 Oral   | Rat     | 1230 mg/kg | -        |
| m-phenylenebis<br>(methylamine) | LD50 Dermal | Rabbit  | 2 g/kg     | -        |
|                                 | LD50 Oral   | Rat     | 930 mg/kg  | -        |

#### Acute toxicity estimates

| Route                        |                |
|------------------------------|----------------|
| Oral                         | 11849.71 mg/kg |
| Dermal                       | 36666.67 mg/kg |
| Inhalation (dusts and mists) | 50 mg/l        |

### Irritation/Corrosion

| Product/ingredient name         | Result                   | Species | Score | Exposure           | Observation |
|---------------------------------|--------------------------|---------|-------|--------------------|-------------|
| benzyl alcohol                  | Skin - Mild irritant     | Man     | -     | 48 hours 16<br>mg  | -           |
|                                 | Skin - Moderate irritant | Pig     | -     | 100 %              | -           |
|                                 | Skin - Moderate irritant | Rabbit  | -     | 24 hours 100<br>mg | -           |
| 2-piperazin-1-ylethylamine      | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20<br>mg  | -           |
|                                 | Skin - Severe irritant   | Rabbit  | -     | 24 hours 5<br>mg   | -           |
| m-phenylenebis<br>(methylamine) | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 50<br>ug  | -           |
|                                 | Skin - Severe irritant   | Rabbit  | -     | 24 hours 750<br>ug | -           |

#### Sensitization

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

# Section 11. Toxicological information

#### Aspiration hazard

Not available.

| Information on the likely routes of exposure | : Not available.   |
|--|--|
| Potential acute health effects               |  |
| Eye contact                                  | : Causes serious eye damage.   |
| Inhalation                                   | : No known significant effects or critical hazards.  |
| Skin contact                                 | : Causes severe burns. May cause an allergic skin reaction.  |
| Ingestion                                    | : No known significant effects or critical hazards.  |
| Symptoms related to the phy                  | sical, chemical and toxicological characteristics  |
| Eye contact                                  | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness                           |
| Inhalation                                   | : No specific data.  |
| Skin contact                                 | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur |
| Ingestion                                    | : Adverse symptoms may include the following: stomach pains  |
| Delayed and immediate effect                 | ts and also chronic effects from short and long term exposure  |
| Short term exposure                          |  |
| Potential immediate effects                  | : Not available.   |
| Potential delayed effects                    | : Not available.   |
| <u>Long term exposure</u>                    |  |
| Potential immediate effects                  | : Not available.   |
| Potential delayed effects                    | : Not available.   |
| Potential chronic health eff                 | <u>ects</u>  |
| 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                            | : No known significant effects or critical hazards.  |

#### Numerical measures of toxicity Acute toxicity estimates

### Section 11. Toxicological information

| Product/ingredient name                      | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| WEICON WP Epoxy Hardener                     | 11849.7          | 36666.7           | N/A                            | N/A                              | 50   |
| benzyl alcohol                               | 1230             | N/A               | N/A                            | N/A                              | 1.5  |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | 500              | 1100              | N/A                            | N/A                              | N/A  |
| 2-piperazin-1-ylethylamine                   | 500              | 1100              | N/A                            | N/A                              | N/A  |
| m-phenylenebis(methylamine)                  | 930              | N/A               | N/A                            | N/A                              | 1.5  |

### Section 12. Ecological information

| Toxicity   |                                     |                            |          |
|--|-------------------------------------|----------------------------|----------|
| Product/ingredient name                          | Result                              | Species                    | Exposure |
| benzyl alcohol                                   | Acute LC50 10000 µg/l Fresh water   | Fish - Lepomis macrochirus | 96 hours |
| 3-aminomethyl-<br>3,5,5-trimethylcyclohexylamine | Acute EC50 17.4 mg/l Fresh water    | Daphnia - Daphnia magna    | 48 hours |
| 2-piperazin-1-ylethylamine                       | Acute LC50 2190000 μg/l Fresh water | Fish - Pimephales promelas | 96 hours |

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

| Product/ingredient name  | LogPow | BCF  | Potential |
|--|--------|------|-----------|
| 4,4'-Isopropylidenediphenol,<br>oligomeric reaction products<br>with 1-chloro- | -      | 4.77 | low       |
| 2,3-epoxypropane, reaction products with m-                                    |        |      |           |
| ,<br>phenylenebis(methylamine)   |        |      |           |
| benzyl alcohol   | 0.87   | -    | low       |
| 3-aminomethyl-   | 0.99   | -    | low       |
| 3,5,5-trimethylcyclohexylamine   |        |      |           |
| 2-piperazin-1-ylethylamine   | -1.48  | -    | low       |
| m-phenylenebis<br>(methylamine)  | 0.18   | 2.69 | low       |

#### Mobility in soil

| Soil/water partition coefficient (Koc) | : Not available. |  |
|--|------------------|--|
|  |                  |  |

#### Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** 

: 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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

|                               | TDG Classification  | DOT Classification   | IMDG   | ΙΑΤΑ   |
|-------------------------------|---|--|--|--|
| UN number                     | UN2735  | UN2735   | UN2735   | UN2735   |
| UN proper<br>shipping name    | AMINES, LIQUID,<br>CORROSIVE, N.O.S.<br>(3-aminomethyl-<br>3,5,5-trimethylcyclohexylamine)  | Amines, liquid,<br>corrosive, n.o.s.<br>(3-aminomethyl-<br>3,5,5-trimethylcyclohexylamine)   | AMINES, LIQUID,<br>CORROSIVE, N.O.S.<br>(3-aminomethyl-<br>3,5,5-trimethylcyclohexylamine) | Amines, liquid,<br>corrosive, n.o.s.<br>(3-aminomethyl-<br>3,5,5-trimethylcyclohexylamine) |
| Transport<br>hazard class(es) | 8   | 8  | 8  | 8  |
| Packing group                 | 111   | Ш  | 111  | 111  |
| Environmental<br>hazards      | Yes.  | No.  | Yes.   | Yes. The<br>environmentally<br>hazardous substance<br>mark is not required.                |
| DOT Classificatio             | on : <u>Limited o</u><br>Packagir<br>Quantity<br>Special p  | er Carrying Road or Rai<br>provisions 16<br>quantity Yes.<br>Ing instruction Exceptions<br>limitation Passenger air<br>provisions IB3, T7, TP1,<br>ne pollutant mark is not re | s: 154. Non-bulk: 203. B<br>craft/rail: 5 L. Cargo airc<br>TP28                            | raft: 60 L.  |
| IMDG                          | : The marine pollutant mark is not required when transported in sizes of ≤5 L or s<br><u>Emergency schedules</u> F-A, S-B<br><u>Special provisions</u> 223, 274   |  | IN SIZES OF S5 L OF S5 Kg  |  |
| ΙΑΤΑ                          | <ul> <li>The environmentally hazardous substance mark may appear if required by other transportation regulations.</li> <li><u>Quantity limitation</u> Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852 Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y841.</li> <li><u>Special provisions</u> A3, A803</li> </ul> |  |  |  |
| Special precaution            | upright a   | rt within user's premise<br>nd secure. Ensure that pe<br>of an accident or spillage  | ersons transporting the pro-   |  |
|                               |   |  |  |  |

### Section 14. Transport information

Transport in bulk according : Not available. to IMO instruments

### Section 15. Regulatory information

#### Canadian lists Canadian NPRI

: None of the components are listed.

**CEPA Toxic substances** 

: None of the components are listed.

#### 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.

#### Inventory list

| Australia         | : Not determined.  |
|-------------------|--|
| Canada            | : Not determined.  |
| China             | : Not determined.  |
| Europe            | : All components are listed or exempted.   |
| Japan             | : Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined. |
| New Zealand       | : All components are listed or exempted.   |
| Philippines       | : Not determined.  |
| Republic of Korea | : Not determined.  |
| Taiwan            | : All components are listed or exempted.   |
| Thailand          | : Not determined.  |
| Turkey            | : Not determined.  |
| United States     | : Not determined.  |
| Viet Nam          | : Not determined.  |

### Section 16. Other information

| <u>History</u>                 |  |
|--------------------------------|--|
| Date of printing               | : 05.06.2020   |
| Date of issue/Date of revision | : 05.06.2020   |
| Date of previous issue         | : No previous validation   |
| Version                        | : 1  |
| Key to abbreviations           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>HPR = Hazardous Products Regulations<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient |

### Section 16. Other information

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

#### Procedure used to derive the classification

| Classification                  | Justification      |
|---------------------------------|--------------------|
| SKIN CORROSION - Category 1B    | Calculation method |
| SERIOUS EYE DAMAGE - Category 1 | Calculation method |
| SKIN SENSITIZATION - Category 1 | Calculation method |

References

: Not available.

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

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