

### Section 1. Identification

**GHS product identifier** : PC-2156  
**Other means of identification** : Not available  
**Material uses** : Asphalt additive

**Supplier's details** : Ingevity Corporation  
 5255 Virginia Avenue  
 North Charleston, South Carolina  
 USA  
 29406-3615

+1 843 740 2300, +1 800 458 4034  
 ( 0800 - 1700 EST )  
 email: sds@ingevity.com

**Emergency telephone number** : +1 800 424 9300 CHEMTREC (USA)  
 +1 703 527 3887 CHEMTREC (INTL)



### Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : SKIN CORROSION - Category 1B  
 SERIOUS EYE DAMAGE - Category 1  
 SKIN SENSITIZATION - Category 1

**GHS label elements**

**Hazard pictograms** : 

**Signal word** : Danger

**Hazard statements** : Causes severe skin burns and eye damage.  
 May cause an allergic skin reaction.

**Precautionary statements**

**Prevention** : Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

**Response** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or

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hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing 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.  
**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| <b>Ingredient name</b>  | <b>%</b>      | <b>CAS number</b> |
|-------------------------|---------------|-------------------|
| Fatty amidoamines       | >= 75 - <= 90 | Proprietary       |
| Polyethylene polyamines | >= 10 - <= 25 | Proprietary       |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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 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.

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**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.

## Most important symptoms/effects, acute and delayed

### 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.

### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following: pain, watering, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur  
**Ingestion** : Adverse symptoms may include the following: stomach pains

## Indication of immediate medical attention and special treatment needed, if necessary

**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 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** : In a fire or if heated, a pressure increase will occur and the container may burst. Fire

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- from the chemical** : 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
- 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.

### Section 6. Accidental release measures

#### 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. Do not breathe 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".
- 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.

#### 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 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

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which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. 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. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

## 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. 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

None.

#### 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.

#### 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.

### 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.

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## 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.

## Section 9. Physical and chemical properties

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

### Appearance

**Physical state** : liquid  
**Color** : Dark Brown.  
**Odor** : Ammoniacal.  
**Odor threshold** : Not available.  
**pH** : 11.75 [Conc. (% w/w): 10% ] Alcohol / Water

**Melting point/freezing point** : < -16 °C (< 3 °F)  
**Boiling point, initial boiling point, and boiling range** : > 100 °C (> 212 °F)

**Flash point** : Closed cup: 200 °C (392 °F) (Pensky-Martens)

**Evaporation rate** : Not available.  
**Flammability** : Not available.  
**Lower and upper explosion limit/flammability limit** : **Lower:** Not available.  
**Upper:** Not available.  
**Vapor pressure** : Not available.  
**Relative vapor density** : Not available.  
**Relative density** : 0.96

**Solubility** : Insoluble in the following materials:  
cold water  
hot water

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/water** : Not applicable.

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|  |   |  |
|--|---|--|
| <b>Auto-ignition temperature</b>       | : | Not available.                             |
| <b>Decomposition temperature</b>       | : | Not available.                             |
| <b>Viscosity</b>                       | : | <b>Dynamic</b> : 216 mPa.s @ 25 °C (77 °F) |
|  |   | <b>Kinematic</b> : Not available.          |
| <b>Flow time (ISO 2431)</b>            | : | Not available.                             |
| <b><u>Particle characteristics</u></b> |   |  |
| <b>Median particle size</b>            | : | Not applicable.                            |

## Section 10. Stability and reactivity

|   |   |  |
|---|---|--|
| <b>Reactivity</b>                         | : | No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : | The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : | No specific data.  |
| <b>Incompatible materials</b>             | : | No specific data.  |
| <b>Hazardous decomposition products</b>   | : | 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 |
|-------------------------|-------------|---------|--------------|----------|
| Fatty amidoamines       | LD50 Oral   | Rat     | 11,800 mg/kg | -        |
| Polyethylene polyamines | LD50 Oral   | Rat     | 1,716 mg/kg  | -        |
|                         | LD50 Dermal | Rabbit  | 1,465 mg/kg  | -        |

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Irritation/Corrosion

| Product/ingredient name | Result                           | Species | Score | Exposure | Observation |
|-------------------------|----------------------------------|---------|-------|----------|-------------|
| Fatty amidoamines       | Eyes - Cornea opacity            | Rabbit  | 3     | 24 hrs   | 48 hrs      |
|                         | Eyes - Edema of the conjunctivae | Rabbit  | 3     | 24 hrs   | 48 hrs      |

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|  |                         |        |   |        |        |
|--|-------------------------|--------|---|--------|--------|
|  | Skin - Visible necrosis | Rabbit | - | 24 hrs | 24 hrs |
|--|-------------------------|--------|---|--------|--------|

## Conclusion/Summary

- Skin** : Corrosive to the skin. Calculation method
- Eyes** : Corrosive to eyes. Calculation method
- Respiratory** : No known significant effects or critical hazards.

## Sensitization

| Product/ingredient name | Route of exposure | Species    | Result      |
|-------------------------|-------------------|------------|-------------|
| Fatty amidoamines       |                   |            |             |
|                         | Skin              | Guinea pig | Sensitizing |
|                         | Skin              | Guinea pig | Sensitizing |
| Polyethylene polyamines |                   |            |             |
|                         | Skin              | Guinea pig | Sensitizing |

## Conclusion/Summary

- Skin** : Skin sensitizer - Calculation method
- Respiratory** : No known significant effects or critical hazards.

## Mutagenicity

| Product/ingredient name | Test   | Experiment  | Result   |
|-------------------------|--|---|----------|
| Fatty amidoamines       |  |   |          |
|                         | 471 Bacterial Reverse Mutation Test                | Subject: Bacteria<br>Experiment: In vitro         | Negative |
|                         | 473 In vitro Mammalian Chromosomal Aberration Test | Subject: Mammalian-Animal<br>Experiment: In vitro | Negative |
|                         | 476 In vitro Mammalian Cell Gene Mutation Test     | Subject: Mammalian-Animal<br>Experiment: In vitro | Negative |

- Conclusion/Summary** : No known significant effects or critical hazards.

## Carcinogenicity

- Conclusion/Summary** : No known significant effects or critical hazards.

## Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Development toxin | Species             | Dose | Exposure |
|-------------------------|-------------------|-----------|-------------------|---------------------|------|----------|
| Fatty amidoamines       |                   |           |                   |                     |      |          |
|                         | Negative          | Negative  | Negative          | Rat - Male / Female | Oral | -        |

- Conclusion/Summary** : No known significant effects or critical hazards.

## Teratogenicity

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| Product/ingredient name | Result          | Species      | Dose | Exposure |
|-------------------------|-----------------|--------------|------|----------|
| Fatty amidoamines       |                 |              |      |          |
|                         | Negative - Oral | Rat - Female | -    | -        |

**Conclusion/Summary** : No known significant effects or critical hazards.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Eyes, Skin, Inhalation, Ingestion

### 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 physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following: pain, watering, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur  
**Ingestion** : Adverse symptoms may include the following: stomach pains

### Delayed and immediate effects and also 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

| Product/ingredient name | Result     | Species | Dose     | Exposure                |
|-------------------------|------------|---------|----------|-------------------------|
| Fatty amidoamines       |            |         |          |                         |
|                         | NOAEL Oral | Rat     | 10 mg/kg | 90 days 7 days per week |

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- Conclusion/Summary** : No known significant effects or critical hazards.
- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

| Product/ingredient name | Oral         | Dermal       | Inhalation (gases) | Inhalation (vapors) | Inhalation (dusts and mists) |
|-------------------------|--------------|--------------|--------------------|---------------------|------------------------------|
| PC-2156                 | 7090.9 mg/kg | 6053.7 mg/kg | N/A                | N/A                 | N/A                          |
| Fatty amidoamines       | 11800 mg/kg  | N/A          | N/A                | N/A                 | N/A                          |
| Polyethylene polyamines | 1716 mg/kg   | 1465 mg/kg   | N/A                | N/A                 | N/A                          |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                            | Species                          | Exposure |
|-------------------------|-----------------------------------|----------------------------------|----------|
| Fatty amidoamines       |                                   |                                  |          |
|                         | Acute LC50 0.525 mg/l Fresh water | Fish - Pimephales promelas       | 96 h     |
|                         | Acute EC50 0.55 mg/l Fresh water  | Daphnia                          | 48 h     |
| Polyethylene polyamines |                                   |                                  |          |
|                         | Acute LC50 100 mg/l Fresh water   | Fish - Poecilia reticulata       | 96 h     |
|                         | Acute EC50 2.2 mg/l Fresh water   | Daphnia                          | 48 h     |
|                         | Acute EC50 0.23 mg/l Fresh water  | Algae - Raphidocelis subcapitata | 72 h     |

- Conclusion/Summary** : Very toxic to aquatic life with long lasting effects. Calculation method

### Persistence and degradability

| Product/ingredient name | Test   | Result                   | Dose | Inoculum         |
|-------------------------|--|--------------------------|------|------------------|
| Polyethylene polyamines |  |                          |      |                  |
|                         | 301D Ready Biodegradability - Closed Bottle Test   | 0 % - Persistent - 28 d  | -    | Activated sludge |
|                         | 302A Inherent Biodegradability: Modified SCAS Test | 16 % - Persistent - 84 d | -    | -                |

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**Conclusion/Summary** : This product has not been tested for biodegradation. Not expected to be rapidly degradable.

**Bioaccumulative potential**

Not available.

**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 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. 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

|                                   | <b>DOT Classification</b>   | <b>IMDG</b>   | <b>IATA</b>  |
|-----------------------------------|---|---|--|
| <b>UN number</b>                  | UN2735  | UN2735  | UN2735   |
| <b>UN proper shipping name</b>    | Amines, liquid, corrosive, n.o.s. (Fatty amidoamines, Polyethylene polyamines)<br>Marine pollutant (Fatty amidoamines, Polyethylene polyamines) | Amines, liquid, corrosive, n.o.s. (Fatty amidoamines, Polyethylene polyamines)<br>Marine pollutant (Fatty amidoamines, Polyethylene polyamines) | Amines, liquid, corrosive, n.o.s. (Fatty amidoamines, Polyethylene polyamines)             |
| <b>Transport hazard class(es)</b> | 8<br>  | 8<br>  | 8<br> |
| <b>Packing group</b>              | II  | II  | II   |
| <b>Environmental hazards</b>      | Yes.  | Yes.  | Yes. The environmentally hazardous substance mark is not required.                         |

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## Additional information

- DOT Classification** : This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. **IMDG Code Segregation group** SGG18 - Alkalis
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.
- 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.
- Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

## SARA 302/304

### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

## SARA 311/312

**Classification** : SKIN CORROSION - Category 1B  
SERIOUS EYE DAMAGE - Category 1  
SKIN SENSITIZATION - Category 1

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## Composition/information on ingredients

| Name                    | %             | Classification  |
|-------------------------|---------------|---|
| Fatty amidoamines       | >= 75 - <= 90 | SKIN CORROSION - Category 1B<br>SERIOUS EYE DAMAGE - Category 1<br>SKIN SENSITIZATION - Category 1            |
| Polyethylene polyamines | >= 10 - <= 25 | ACUTE TOXICITY - oral - Category 4<br>ACUTE TOXICITY - dermal - Category 4<br>SKIN SENSITIZATION - Category 1 |

## State regulations

|                      |   |                                    |
|----------------------|---|------------------------------------|
| <b>Massachusetts</b> | : | None of the components are listed. |
| <b>New York</b>      | : | None of the components are listed. |
| <b>New Jersey</b>    | : | None of the components are listed. |
| <b>Pennsylvania</b>  | : | None of the components are listed. |

## California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

## International regulations

### Chemical Weapon Convention List Schedules I, II & III Chemicals

#### Chemical Weapons Convention List Schedule I Chemicals

None of the components are listed.

#### Chemical Weapons Convention List Schedule II Chemicals

None of the components are listed.

#### Chemical Weapons Convention List Schedule III Chemicals

None of the components are listed.

### Montreal Protocol

None of the components are listed.

### Stockholm Convention on Persistent Organic Pollutants

#### Annex A - Elimination - Production

None of the components are listed.

#### Annex A - Elimination - Use

None of the components are listed.

#### Annex B - Restriction - Production

None of the components are listed.

#### Annex B - Restriction - Use

None of the components are listed.

#### Annex C - Unintentional - Production

None of the components are listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

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## Rotterdam Convention on Prior Informed Consent (PIC) - Industrial

None of the components are listed.

## Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide

None of the components are listed.

## Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide

None of the components are listed.

## UNECE Aarhus Protocol on POPs and Heavy Metals

### Heavy metals - Annex 1

None of the components are listed.

### POPs - Annex 1 - Production

None of the components are listed.

### POPs - Annex 1 - Use

None of the components are listed.

### POPs - Annex 2

None of the components are listed.

### POPs - Annex 3

None of the components are listed.

## Inventory list

|                      |   |  |
|----------------------|---|--|
| <b>Australia</b>     | : | Not determined.  |
| <b>Canada</b>        | : | Not determined.  |
| <b>China</b>         | : | Not determined.  |
| <b>Japan</b>         | : | <b>Japan inventory (CSCL):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>New Zealand</b>   | : | Not determined.  |
| <b>Philippines</b>   | : | Not determined.  |
| <b>Taiwan</b>        | : | Not determined.  |
| <b>Thailand</b>      | : | Not determined.  |
| <b>United States</b> | : | All components are active or exempted.   |
| <b>Viet Nam</b>      | : | Not determined.  |

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

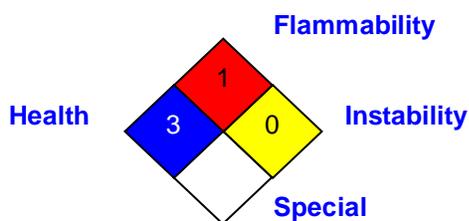
|                         |   |   |
|-------------------------|---|---|
| <b>Health</b>           | / | 3 |
| <b>Flammability</b>     |   | 1 |
| <b>Physical hazards</b> |   | 0 |
|                         |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

# PC-2156

## National Fire Protection Association (U.S.A.)



## 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 |

## History

|                                       |  |
|---------------------------------------|--|
| <b>Date of printing</b>               | : 02/19/2025   |
| <b>Date of issue/Date of revision</b> | : 02/19/2025   |
| <b>Date of previous issue</b>         | : 00/00/0000   |
| <b>Version</b>                        | : 2.0  |
| <b>Prepared by</b>                    | : NM2  |
| <b>Key to abbreviations</b>           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |
| <b>References</b>                     | : Not available.   |

## Notice to reader

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