

## 1. Identification

|                                                               |                                                                         |
|---------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Product identifier</b>                                     | <b>NOVOCOAT™ SC2200 RAPID SET PIPE COATING PART B</b>                   |
| <b>Other means of identification</b>                          | None.                                                                   |
| <b>Recommended use</b>                                        | Not available.                                                          |
| <b>Recommended restrictions</b>                               | None known.                                                             |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                         |
| <b>Company Name</b>                                           | Armor Limited, Inc.                                                     |
| <b>Address</b>                                                | 2410 US-15 South, Sumter, SC 29150                                      |
| <b>After hours telephone number</b>                           | 1-877-982-7667                                                          |
| <b>Normal work hours telephone number</b>                     | 1-877-982-7667                                                          |
| <b>Website</b>                                                | www.armor-inc.com                                                       |
| <b>E-mail</b>                                                 | customerservice@armor-inc.com                                           |
| <b>Emergency 24-hour telephone number</b>                     | CHEMTREC North America: +1-800-424-9300, International: +1-703-527-3887 |
| <b>Information on operation hours</b>                         | 8:00am to 5:00pm                                                        |

## 2. Hazard(s) identification

|                              |                                                   |                                         |
|------------------------------|---------------------------------------------------|-----------------------------------------|
| <b>Physical hazards</b>      | Not classified.                                   |                                         |
| <b>Health hazards</b>        | Skin corrosion/irritation                         | Category 1                              |
|                              | Serious eye damage/eye irritation                 | Category 1                              |
|                              | Sensitization, respiratory                        | Category 1                              |
|                              | Sensitization, skin                               | Category 1                              |
|                              | Germ cell mutagenicity                            | Category 2                              |
|                              | Specific target organ toxicity, single exposure   | Category 3 respiratory tract irritation |
|                              | Specific target organ toxicity, repeated exposure | Category 2                              |
| <b>Environmental hazards</b> | Not classified.                                   |                                         |
| <b>OSHA defined hazards</b>  | Not classified.                                   |                                         |

### Label elements



### Signal word

Danger

### Hazard statement

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May cause damage to organs through prolonged or repeated exposure.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

### Response

If swallowed: Rinse mouth. Do NOT induce vomiting. Specific treatment see Section 4 of this SDS. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. 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/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Storage

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

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %               |
|------------------------------------------|--------------------------|------------|-----------------|
| BENZYL ALCOHOL                           |                          | 100-51-6   | 15 - 25         |
| 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL    |                          | 90-72-2    | 1 - 10          |
| CYCLOHEXANAMINE, 4,4'-METHYLENEBIS-      |                          | 1761-71-3  | 1 - 10          |
| PHENOL                                   |                          | 108-95-2   | 1 - 10          |
| TRIENTINE                                |                          | 112-24-3   | 1 - 10          |
| Other components below reportable levels |                          |            | 67.267999999992 |

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. For minor skin contact, avoid spreading material on unaffected skin. Wash contaminated clothing before reuse. Wash clothing separately before reuse.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or poison control center immediately.

### Ingestion

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause an allergic skin reaction. Dermatitis. Rash.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                                                             |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Alcohol foam. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                                                                                                                                      |
| <b>Unsuitable extinguishing media</b>                                | Water. Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                               |
| <b>Specific hazards arising from the chemical</b>                    | Fire may produce irritating, corrosive and/or toxic gases.                                                                                                                                                                  |
| <b>Special protective equipment and precautions for firefighters</b> | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.                                                                |
| <b>Fire fighting equipment/instructions</b>                          | In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. Water runoff can cause environmental damage. |
| <b>Specific methods</b>                                              | In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.                                                                                                                             |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                                                                                                                                                 |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                                                                                         |
| <b>Methods and materials for containment and cleaning up</b>               | Extinguish all flames in the vicinity. This product is miscible in water.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills in original containers for re-use. |
| <b>Environmental precautions</b>                                           | Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. When using do not eat or drink. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Use personal protective equipment as required. Do not get this material on clothing. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Keep away from food, drink and animal feedingstuffs.                                                                                                                                                                                                                                                                                                                                                                                                            |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components            | Type | Value                         |
|-----------------------|------|-------------------------------|
| PHENOL (CAS 108-95-2) | PEL  | 19 mg/m <sup>3</sup><br>5 ppm |

#### US. ACGIH Threshold Limit Values (TLV)

| Components            | Type | Value |
|-----------------------|------|-------|
| PHENOL (CAS 108-95-2) | TWA  | 5 ppm |

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

| Components            | Type | Value            |
|-----------------------|------|------------------|
| PHENOL (CAS 108-95-2) | IDLH | 1.8 %<br>250 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

| Components            | Type    | Value                |
|-----------------------|---------|----------------------|
| PHENOL (CAS 108-95-2) | Ceiling | 60 mg/m3<br>15.6 ppm |
|                       | TWA     | 19 mg/m3<br>5 ppm    |

**US. OARS. Workplace Environmental Exposure Level (WEEL) Guide**

| Components                    | Type | Value                |
|-------------------------------|------|----------------------|
| BENZYL ALCOHOL (CAS 100-51-6) | TWA  | 44.2 mg/m3<br>10 ppm |
| TRIENTINE (CAS 112-24-3)      | TWA  | 6 mg/m3<br>1 ppm     |

**Biological limit values****ACGIH Biological Exposure Indices (BEI)**

| Components            | Value    | Determinant            | Specimen            | Sampling Time |
|-----------------------|----------|------------------------|---------------------|---------------|
| PHENOL (CAS 108-95-2) | 250 mg/g | Phenol with hydrolysis | Creatinine in urine | *             |

\* - For sampling details, please see the source document.

**Exposure guidelines****US - California OELs: Skin designation**

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

PHENOL (CAS 108-95-2) Skin designation applies.

**US - Tennessee OELs: Skin designation**

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

PHENOL (CAS 108-95-2) Danger of cutaneous absorption

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

**US WEEL Guides: Skin designation**

TRIENTINE (CAS 112-24-3) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

PHENOL (CAS 108-95-2) Can be absorbed through the skin.

**Appropriate engineering controls** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Chemical goggles and face shield are recommended.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other**

Skin protection should include disposable chemical resistant coveralls with hoods. Hand protection should include appropriate chemical resistant disposable gloves, such as nitrile rubber.

**Respiratory protection**

If in spray application, respiratory protection should include at a minimum a fullface air purifying respirator (APR) with combination particulate (P100) and organic vapor (OV) cartridges. A full-face APR has an assigned protection factor (APF) of 50, as designated by OSHA. As a substitute, a PAPR with a loose-fitting hood could be used as respiratory protection.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Do not get in eyes. Do not get this material in contact with skin. Do not get this material on clothing. Wash hands before breaks and immediately after handling the product. Keep away from food and drink.

## 9. Physical and chemical properties

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| <b>Appearance</b>                                   | Liquid.                         |
| <b>Physical state</b>                               | Liquid.                         |
| <b>Form</b>                                         | Liquid.                         |
| <b>Color</b>                                        | Light yellow.                   |
| <b>Odor</b>                                         | Sulphurous.                     |
| <b>Odor threshold</b>                               | Not available.                  |
| <b>pH</b>                                           | Not available.                  |
| <b>Melting point/freezing point</b>                 | 4.64 °F (-15.2 °C) estimated    |
| <b>Initial boiling point and boiling range</b>      | 359.15 °F (181.75 °C) estimated |
| <b>Flash point</b>                                  | 250.0 °F (121.1 °C) estimated   |
| <b>Evaporation rate</b>                             | Not available.                  |
| <b>Flammability (solid, gas)</b>                    | Not available.                  |
| <b>Upper/lower flammability or explosive limits</b> |                                 |
| <b>Explosive limit - lower (%)</b>                  | 3 % estimated                   |
| <b>Explosive limit - upper (%)</b>                  | 10 % estimated                  |
| <b>Vapor pressure</b>                               | Not available.                  |
| <b>Vapor density</b>                                | Not available.                  |
| <b>Relative density</b>                             | Not available.                  |
| <b>Solubility(ies)</b>                              |                                 |
| <b>Solubility (water)</b>                           | Not available.                  |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                  |
| <b>Auto-ignition temperature</b>                    | 640 °F (337.78 °C) estimated    |
| <b>Decomposition temperature</b>                    | Not available.                  |
| <b>Viscosity</b>                                    | Not available.                  |
| <b>Other information</b>                            |                                 |
| <b>Density</b>                                      | 8.74 lb/gal estimated           |
| <b>Specific gravity</b>                             | 1.047 estimated                 |

## 10. Stability and reactivity

|                                           |                                                                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                                                                                        |
| <b>Chemical stability</b>                 | Stable at normal conditions.                                                                                                                                                         |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization can occur with elevated temperatures.                                                                                                                       |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.                                                                                                   |
| <b>Incompatible materials</b>             | Acids. Alkaline metals. Amines. Peroxides. Fluorine. Chlorine. Phenols. Strong acids, alkalis and oxidizing agents.                                                                  |
| <b>Hazardous decomposition products</b>   | Toxic gas. If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced. Upon combustion, oxides of chlorine may be released. |

## 11. Toxicological information

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>Information on likely routes of exposure</b> |                                                     |
| <b>Inhalation</b>                               | Prolonged inhalation may be harmful.                |
| <b>Skin contact</b>                             | Causes severe skin burns and eye damage.            |
| <b>Eye contact</b>                              | Causes severe eye burns. Causes serious eye damage. |
| <b>Ingestion</b>                                | Harmful if swallowed.                               |

**Symptoms related to the physical, chemical and toxicological characteristics** Irritation of eyes and mucous membranes.

**Information on toxicological effects**

**Acute toxicity**

| Components                                          | Species | Test Results          |
|-----------------------------------------------------|---------|-----------------------|
| 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL (CAS 90-72-2) |         |                       |
| <b>Acute</b>                                        |         |                       |
| <b>Dermal</b>                                       |         |                       |
| LD50                                                | Rat     | 1280 mg/kg            |
| <b>Oral</b>                                         |         |                       |
| LD50                                                | Rat     | 1200 mg/kg            |
| BENZYL ALCOHOL (CAS 100-51-6)                       |         |                       |
| <b>Acute</b>                                        |         |                       |
| <b>Dermal</b>                                       |         |                       |
| LD50                                                | Rabbit  | 2000 mg/kg            |
| <b>Inhalation</b>                                   |         |                       |
| LC50                                                | Rat     | > 4.178 mg/l, 4 Hours |
| <b>Oral</b>                                         |         |                       |
| LD50                                                | Rat     | 1230 - 3100 mg/kg     |
| CYCLOHEXANAMINE, 4,4'-METHYLENEBIS- (CAS 1761-71-3) |         |                       |
| <b>Acute</b>                                        |         |                       |
| <b>Oral</b>                                         |         |                       |
| LD50                                                | Rat     | 380 mg/kg             |
| PHENOL (CAS 108-95-2)                               |         |                       |
| <b>Acute</b>                                        |         |                       |
| <b>Dermal</b>                                       |         |                       |
| LD50                                                | Rat     | 669 mg/kg             |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Irritating and may cause redness and pain.  
**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** Suspected of causing genetic defects.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product contains crystalline silica. Silica is a known carcinogen; however in this encapsulated form the normal routes of exposure are unavailable.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

PHENOL (CAS 108-95-2) 3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not available.

**Chronic effects** Prolonged inhalation may be harmful.

**Further information**

May cause allergic respiratory and skin reactions.

**12. Ecological information****Ecotoxicity**

Harmful to aquatic life. Components of this product are hazardous to aquatic life. Accumulation in aquatic organisms is expected.

| Product                                        | Species |                                           | Test Results                      |
|------------------------------------------------|---------|-------------------------------------------|-----------------------------------|
| NOVOCOAT™ SC2200 RAPID SET PIPE COATING PART B |         |                                           |                                   |
| Aquatic                                        |         |                                           |                                   |
| Crustacea                                      | EC50    | Daphnia                                   | 900.3535 mg/l, 48 hours           |
| Acute                                          |         |                                           |                                   |
| Crustacea                                      | EC50    | Daphnia                                   | 110.9228 mg/l, 48 hours estimated |
| Fish                                           | LC50    | Fish                                      | 43.5452 mg/l, 96 hours estimated  |
| Components                                     | Species |                                           | Test Results                      |
| BENZYL ALCOHOL (CAS 100-51-6)                  |         |                                           |                                   |
| Aquatic                                        |         |                                           |                                   |
| Acute                                          |         |                                           |                                   |
| Fish                                           | LC50    | Bluegill (Lepomis macrochirus)            | 10 mg/l, 96 hours                 |
| PHENOL (CAS 108-95-2)                          |         |                                           |                                   |
| Aquatic                                        |         |                                           |                                   |
| Acute                                          |         |                                           |                                   |
| Crustacea                                      | EC50    | Water flea (Daphnia magna)                | 4.24 - 10.7 mg/l, 48 hours        |
| Fish                                           | LC50    | Asiatic knifefish (Notopterus notopterus) | 6.85 mg/l, 96 hours               |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

|                |      |
|----------------|------|
| BENZYL ALCOHOL | 1.1  |
| PHENOL         | 1.46 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**14. Transport information****DOT**

Not regulated as dangerous goods.

**IATA**

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>UN number</b>                  | UN3334                            |
| <b>UN proper shipping name</b>    | Aviation regulated liquid, n.o.s. |
| <b>Transport hazard class(es)</b> |                                   |
| <b>Class</b>                      | 9                                 |

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Subsidiary hazard</b>            | -                          |
| <b>Packing group</b>                | III                        |
| <b>Environmental hazards</b>        | No.                        |
| <b>ERG Code</b>                     | 9A                         |
| <b>Special precautions for user</b> | Not assigned.              |
| <b>Other information</b>            |                            |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions. |
| <b>Cargo aircraft only</b>          | Allowed with restrictions. |

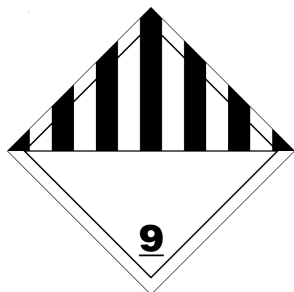
#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to** Not available.

**Annex II of MARPOL 73/78 and the IBC Code**

#### IATA



## 15. Regulatory information

#### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

All components are on the U.S. EPA TSCA Inventory List.

#### Toxic Substances Control Act (TSCA)

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

PHENOL (CAS 108-95-2) 1000 LBS

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely hazardous substance

| Chemical name | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) |
|---------------|------------|------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------------|
| PHENOL        | 108-95-2   | 1000                         |                                      | 500                                               | 10000                                             |

##### SARA 311/312

##### Hazardous chemical

##### Classified hazard categories

Skin corrosion or irritation  
 Serious eye damage or eye irritation  
 Respiratory or skin sensitization  
 Germ cell mutagenicity  
 Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| PHENOL        | 108-95-2   | 1 - 10   |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

PHENOL (CAS 108-95-2)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

PHENOL (CAS 108-95-2)

Low priority

**US state regulations****California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Industrial Chemicals (AICIS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 06-15-2020**Revision date** 11-25-2024**Version #** 04

**NFPA ratings** Health: 3  
Flammability: 0  
Instability: 0

**References** EPA: AQUIRE database  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

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## Revision information

Hazard(s) identification: Supplemental information  
Fire-fighting measures: Suitable extinguishing media  
Accidental release measures: Methods and materials for containment and cleaning up  
Physical & Chemical Properties: Multiple Properties  
Physical and chemical properties: Color  
Stability and reactivity: Incompatible materials  
Toxicological information: Inhalation  
Ecological information: Ecotoxicity  
Disposal considerations: Hazardous waste code  
Transport Information: Proper Shipping Name/Packing Group  
Regulatory Information: United States  
Regulatory information: California Proposition 65  
GHS: Classification