



# Safety Data Sheet

Waynflash™ 111

## Section 1. Identification

**GHS product identifier** : Waynflash™ 111  
**Other means of identification** : Not available.

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

Flash Rust Inhibitor.

**Supplier's details** : WPC Technologies  
7350 S 6th Street  
Oak Creek, Wisconsin, 53154  
Tel : (414) 225-2400

CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887

**Emergency telephone number (with hours of operation)** :

## 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** : ACUTE TOXICITY (oral) - Category 4  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
AQUATIC HAZARD (ACUTE) - Category 1

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Harmful if swallowed.  
Causes eye irritation.  
Very toxic to aquatic life.

### Precautionary statements

**Prevention** : Wear eye or face protection. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response** : Collect spillage. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 2. Hazards identification

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

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.  
**Product code** : Not available.

| Ingredient name | %       | CAS number |
|-----------------|---------|------------|
| Sodium Benzoate | 10 - 20 | 532-32-1   |
| Sodium nitrite  | 5 - 12  | 7632-00-0  |

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 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 aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. If irritation persists, get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. 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** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or 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 eye irritation.

## Section 4. First aid measures

- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Harmful if swallowed. May be irritating to mouth, throat and stomach.
- Over-exposure signs/symptoms**
- Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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** : This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides

**Special protective actions for fire-fighters** : No special measures are required.

**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. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### 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. 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.

#### 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** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Clear to light yellow.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 8 to 10.5
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not applicable.
- Burning time** : Not applicable.

## Section 9. Physical and chemical properties

|   |                      |
|---|----------------------|
| <b>Burning rate</b>                                 | : Not applicable.    |
| <b>Evaporation rate</b>                             | : Not available.     |
| <b>Flammability (solid, gas)</b>                    | : Not available.     |
| <b>Lower and upper explosive (flammable) limits</b> | : Not available.     |
| <b>Vapor pressure</b>                               | : Not available.     |
| <b>Vapor density</b>                                | : Not available.     |
| <b>Relative density</b>                             | : 1.1 to 1.2         |
| <b>Solubility</b>                                   | : Miscible in water. |
| <b>Solubility in water</b>                          | : Not available.     |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.     |
| <b>Auto-ignition temperature</b>                    | : Not available.     |
| <b>Decomposition temperature</b>                    | : Not available.     |
| <b>SADT</b>   | : Not available.     |
| <b>Viscosity</b>                                    | : Not available.     |

## 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>             | : Reactive or incompatible with the following materials: reducing materials, organic materials, metals, acids and moisture. |
| <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 |
|-------------------------|-----------|---------|------------|----------|
| Sodium Benzoate         | LD50 Oral | Rat     | 4070 mg/kg | -        |
| Sodium nitrite          | LD50 Oral | Rat     | 85 mg/kg   | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result               | Species | Score | Exposure        | Observation |
|-------------------------|----------------------|---------|-------|-----------------|-------------|
| Sodium nitrite          | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 mg | -           |

#### Sensitization

|             |                               |
|-------------|-------------------------------|
| <b>Skin</b> | : There is no data available. |
|-------------|-------------------------------|

## Section 11. Toxicological information

**Respiratory** : There is no data available.

### **Mutagenicity**

There is no data available.

### **Carcinogenicity**

There is no data available.

### **Reproductive toxicity**

There is no data available.

### **Teratogenicity**

There is no data available.

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

There is no data available.

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

There is no data available.

### **Aspiration hazard**

There is no data available.

**Information on the likely routes of exposure** : Not available.

### **Potential acute health effects**

**Eye contact** : Causes eye irritation.

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : Harmful if swallowed. May be irritating to mouth, throat and stomach.

### **Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### **Delayed and immediate effects and also chronic effects from short and long term exposure**

#### **Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### **Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### **Potential chronic health effects**

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

## Section 11. Toxicological information

- 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

| Route | ATE value   |
|-------|-------------|
| Oral  | 815.9 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species  | Exposure |
|-------------------------|--------------------------------------|--|----------|
| Sodium Benzoate         | Acute LC50 100 mg/L Fresh water      | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)     | 96 hours |
| Sodium nitrite          | Acute EC50 159000 µg/l Marine water  | Algae - Tetraselmis chuii  | 72 hours |
|                         | Acute EC50 1600000 µg/l Marine water | Algae - Tetraselmis chuii  | 96 hours |
|                         | Acute LC50 1100 µg/l Fresh water     | Crustaceans - Cherax quadricarinatus                                       | 48 hours |
|                         | Acute LC50 48 µg/l Fresh water       | Fish - Ictalurus punctatus - Fingerling                                    | 96 hours |
|                         | Chronic NOEC 0.912 mg/L Marine water | Fish - Hippocampus abdominalis - Juvenile (Fledgling, Hatchling, Weanling) | 35 days  |

### Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Sodium nitrite          | -                 | -          | Readily          |

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Sodium Benzoate         | -2.27              | -   | low       |
| Sodium nitrite          | -3.7               | -   | low       |

### Mobility in soil

- Soil/water partition coefficient (K<sub>oc</sub>)** : No data 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 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 empty containers that have not been cleaned



## Section 13. Disposal considerations

or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | DOT Classification   | IMDG   | IATA   |
|-----------------------------------|--|--|--|
| <b>UN number</b>                  | UN3082   | UN3082   | UN3082   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Sodium nitrite)   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Sodium nitrite). Marine pollutant (Sodium nitrite)  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Sodium nitrite)   |
| <b>Transport hazard class(es)</b> | 9<br>   | 9<br>  | 9<br>  |
| <b>Packing group</b>              | III  | III  | III  |
| <b>Environmental hazards</b>      | Yes.   | Yes.   | Yes.   |
| <b>Additional information</b>     | <p>Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg.</p> <p><b>Reportable quantity</b><br/>1000 lbs / 454 kg [104.29 gal / 394.78 L]<br/>Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</p> <p><b>Special provisions</b><br/>RQ: Sodium nitrite 100 lbs. (45.4 kg)</p> | <p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p>   | <p>The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p>  |

**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 Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : TSCA 5(a)2 final significant new use rules: Sodium nitrite  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 TSCA 12(b) one-time export: Sodium nitrite  
 United States inventory (TSCA 8b): All components are listed or exempted.  
 Clean Water Act (CWA) 311: Sodium nitrite

**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** : Immediate (acute) health hazard

#### Composition/information on ingredients

| Name                              | %                 | Fire hazard | Sudden release of pressure | Reactive   | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|-----------------------------------|-------------------|-------------|----------------------------|------------|---------------------------------|---------------------------------|
| Sodium Benzoate<br>Sodium nitrite | 10 - 20<br>5 - 12 | No.<br>Yes. | No.<br>No.                 | No.<br>No. | Yes.<br>Yes.                    | No.<br>No.                      |

### SARA 313

|  | Product name   | CAS number | %      |
|--|----------------|------------|--------|
| <b>Form R - Reporting requirements</b> | Sodium nitrite | 7632-00-0  | 5 - 12 |
| <b>Supplier notification</b>           | Sodium nitrite | 7632-00-0  | 5 - 12 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: Sodium nitrite

**New York** : The following components are listed: Sodium nitrite

**New Jersey** : The following components are listed: Sodium nitrite

**Pennsylvania** : The following components are listed: Sodium nitrite

### California Prop. 65

No products were found.

## Section 15. Regulatory information

### International regulations

- International lists** :
- Australia inventory (AICS)**: All components are listed or exempted.
  - China inventory (IECSC)**: All components are listed or exempted.
  - Japan inventory**: All components are listed or exempted.
  - Korea inventory**: All components are listed or exempted.
  - New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.
  - Philippines inventory (PICCS)**: All components are listed or exempted.
  - Europe inventory (EINECS/ELINCS)**: All components are listed or exempted.
- Chemical Weapons Convention List Schedule I Chemicals** : Not listed
- Chemical Weapons Convention List Schedule II Chemicals** : Not listed
- Chemical Weapons Convention List Schedule III Chemicals** : Not listed
- Canadian lists** :
- CEPA Toxic substances**: None of the components are listed.
  - Canadian ARET**: None of the components are listed.
  - Canadian NPRI**: The following components are listed: Sodium nitrite
  - Alberta Designated Substances**: None of the components are listed.
  - Ontario Designated Substances**: None of the components are listed.
  - Quebec Designated Substances**: None of the components are listed.
- Canada DSL inventory** : All components are listed or exempted.

## Section 16. Other information

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

**Health** : 2 \* **Flammability** : 0 **Physical hazards** : 1

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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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

**Health** : 2 **Flammability** : 0 **Instability** : 1 **Special** : OX

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

- Date of issue mm/dd/yyyy** : 05/01/2019
- Date of previous issue** : 01/28/2019
- Version** : 6
- Revised Section(s)** : Page headers
- Prepared by** : Steve Brunner

## Section 16. Other information

### Key to abbreviations

- : ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.