# SAFETY DATA SHEET



## Biofreeze Overnight Gel Roll-On

# 1. Product and company identification

Product name : Biofreeze Overnight Gel Roll-On

Distributed by : RB Health (US) LLC

Morris Corporate Center IV

399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225

+1 973 404 2600

Emergency telephone number (Medical)

: 1-800-338-6167

Emergency telephone number (Transport)

: 1-800-424-9300 (U.S. & Canada) CHEMTREC

Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: : http://www.rbnainfo.com

Product use : OTC

Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

**SDS** # : D8400581 **Formulation** # : 3233731

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

**Identified uses** 

Consumer use

## 2. Hazards identification

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 3 EYE IRRITATION - Category 2A

**GHS label elements** 

Hazard pictograms





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## 2. Hazards identification

Signal word : Warning

Hazard statements : Flammable liquid and vapor.

Causes serious eye irritation.

**Precautionary statements** 

General : Not applicable.

Prevention : Wash hands thoroughly after handling.

Response : 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 advice or

attention.

**Storage** : Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Supplemental label

elements

: None known.

**Hazards not otherwise** 

classified

: None known.

# 3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name   | %       | CAS number |
|-------------------|---------|------------|
| Isopropyl alcohol | 10 - 30 | 67-63-0    |
| Menthol           | 1 - 5   | 89-78-1    |

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.

## 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 10

minutes. 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.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean

shoes thoroughly before reuse.

## 4. First aid measures

## Ingestion

: 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. Get medical attention if adverse health effects persist or are severe. 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 irritation.

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.

## Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**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)

## 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

media

**Unsuitable extinguishing** 

media

: Do not use water jet.

Specific hazards arising from the chemical

: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products

: No specific data.

## 5. Fire-fighting measures

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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.

## 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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 nonemergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and explosion-proof equipment. 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.

## 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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## 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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.

# 8. Exposure controls/personal protection

## **Control**

### Occupational exposure limits

| Ingredient name   | Exposure limits                        |
|-------------------|--|
| Isopropyl alcohol | ACGIH TLV (United States, 1/2022).     |
| , ,,              | TWA: 200 ppm 8 hours.                  |
|                   | STEL: 400 ppm 15 minutes.              |
|                   | OSHA PEL 1989 (United States, 3/1989). |
|                   | TWA: 400 ppm 8 hours.                  |
|                   | TWA: 980 mg/m <sup>3</sup> 8 hours.    |
|                   | STEL: 500 ppm 15 minutes.              |
|                   | STEL: 1225 mg/m³ 15 minutes.           |
|                   | NIOSH REL (United States, 10/2020).    |
|                   | TWA: 400 ppm 10 hours.                 |
|                   | TWA: 980 mg/m <sup>3</sup> 10 hours.   |
|                   | STEL: 500 ppm 15 minutes.              |
|                   | STEL: 1225 mg/m³ 15 minutes.           |
|                   | OSHA PEL (United States, 5/2018).      |
|                   | TWA: 400 ppm 8 hours.                  |
|                   | TWA: 980 mg/m <sup>3</sup> 8 hours.    |

## Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### **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. 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**

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# 8. Exposure controls/personal protection

**Hand protection** 

: 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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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 and safety characteristics

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

**Appearance** 

**Physical state** : Liquid. [Gel]

: Colorless. Off-white. [Light] Color

: Not available. Odor Not available. Odor threshold

pН 5 to 8

Melting point/freezing point : Not available. Boiling point, initial boiling : Not available.

: Closed cup: >23°C (>73.4°F) Flash point

: Not available. **Evaporation rate Flammability** : Not available. Lower and upper explosion : Not available.

limit/flammability limit

point, and boiling range

Vapor pressure : Not available. Relative vapor density : Not available. Relative density : Not available.

Solubility(ies)

| Media      | Result         |
|------------|----------------|
| cold water | Easily soluble |
| hot water  | Easily soluble |

Solubility in water : Not available. Partition coefficient: n-: Not applicable.

octanol/water

**Auto-ignition temperature** : Not available.

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# Section 9. Physical and chemical properties and safety characteristics

**Decomposition temperature** : Not available.

: Dynamic: 13000 mPa·s (13000 cP) **Viscosity** 

Particle characteristics

Median particle size : Not applicable.

## 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients. Reactivity

**Chemical stability** : The product is stable.

Possibility of hazardous : Under normal conditions of storage and use, hazardous reactions will not occur. reactions

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

: Reactive or incompatible with the following materials: Incompatible materials

oxidizing materials

**Hazardous decomposition** products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# 11. Toxicological information

## Information on toxicological effects

### **Acute toxicity**

| Product/ingredient name | Result      | Species | Dose        | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| Isopropyl alcohol       | LD50 Dermal | Rabbit  | 12800 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 5000 mg/kg  | -        |
| Menthol                 | LD50 Oral   | Rat     | 3180 mg/kg  | -        |

**Conclusion/Summary** 

: Based on test data, the classification criteria are not met.

## **Irritation/Corrosion**

| Product/ingredient name | Result                   | Species                | Score | Exposure     | Observation |
|-------------------------|--------------------------|------------------------|-------|--------------|-------------|
| Isopropyl alcohol       | Eyes - Moderate irritant | Rabbit                 | -     | 10 mg        | -           |
|                         | Eyes - Moderate irritant | Rabbit                 | -     | 24 hours 100 | -           |
|                         |                          |                        |       | mg           |             |
|                         | Eyes - Severe irritant   | Rabbit                 | -     | 100 mg       | -           |
|                         | Skin - Mild irritant     | Rabbit                 | -     | 500 mg       | -           |
| Menthol                 | Eyes - Severe irritant   | Mammal -               | -     | 100 %        | -           |
|                         |                          | species<br>unspecified |       |              |             |
|                         | Eyes - Severe irritant   | Rabbit                 | -     | 250 ug       | -           |

## **Conclusion/Summary**

Skin : Based on available data, the classification criteria are not met.

: Calculation method Causes serious eye irritation. **Eyes** 

: Based on available data, the classification criteria are not met. Respiratory

**Sensitization** 

Not available.

**Conclusion/Summary** 

Skin : Based on available data, the classification criteria are not met.

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# 11. Toxicological information

Respiratory : Based on available data, the classification criteria are not met.

**Mutagenicity** 

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

**Carcinogenicity** 

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

**Classification** 

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl alcohol       | -    | 3    | -   |

## Reproductive toxicity

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

**Teratogenicity** 

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

## Specific target organ toxicity (single exposure)

| Name              |            | Route of exposure | Target organs    |
|-------------------|------------|-------------------|------------------|
| Isopropyl alcohol | Category 3 | -                 | Narcotic effects |

## Specific target organ toxicity (repeated exposure)

Not available.

### **Aspiration hazard**

Not available.

Information on the likely

routes of exposure

: Not available.

## Potential acute health effects

**Eye contact** : Causes serious eye irritation.

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.

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

**Eye contact**: Adverse symptoms may include the following:

pain or irritation watering

redness

Inhalation: No specific data.Skin contact: No specific data.

# 11. Toxicological information

Ingestion : No specific data.

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

**Short term exposure** 

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.
 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 (mg/<br>kg) | Dermal<br>(mg/kg) | (gases)    | (vapors)   | Inhalation<br>(dusts and<br>mists) (mg/<br>l) |
|--|------------------|-------------------|------------|------------|---|
| Biofreeze Overnight Gel Roll-On_Project<br>Snowboard 3233731 D8400581 US | 79500            | N/A               | N/A        | N/A        | N/A   |
| Isopropyl alcohol Menthol  | 5000<br>3180     | 12800<br>N/A      | N/A<br>N/A | N/A<br>N/A | N/A<br>N/A                                    |

## 12. Ecological information

#### **Toxicity**

| Product/ingredient name | Result   | Species  | Exposure             |
|-------------------------|--|--|----------------------|
| Isopropyl alcohol       | Acute EC50 7550 mg/l Fresh water   | Daphnia - Daphnia magna -<br>Neonate                         | 48 hours             |
|                         | Acute LC50 1400000 µg/l Marine water<br>Acute LC50 4200 mg/l Fresh water | Crustaceans - Crangon crangon<br>Fish - Rasbora heteromorpha | 48 hours<br>96 hours |

## Persistence and degradability

Not available.

## **Bioaccumulative potential**

# 12. Ecological information

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| Isopropyl alcohol       | 0.05   | -   | low       |
| Menthol                 | 3.4    | -   | low       |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

## 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# 14. Transport information

|                            | DOT Classification                            | TDG Classification                                 | IMDG   | IATA  |
|----------------------------|---|--|--|---|
| UN number                  | UN1993  | UN1993   | UN1993   | UN1993  |
| UN proper shipping name    | Flammable liquids, n.o.s. (Isopropyl alcohol) | FLAMMABLE LIQUID,<br>N.O.S. (Isopropyl<br>alcohol) | FLAMMABLE LIQUID,<br>N.O.S. (Isopropyl<br>alcohol) | Flammable liquid, n.o.s.<br>(Isopropyl alcohol) |
| Transport hazard class(es) | 3   | 3  | 3  | 3   |
| Packing group              | III   | III  | III  | III   |
| Environmental hazards      | No.   | No.  | No.  | No.   |

**Additional information** 

**DOT Classification** 

: Limited quantity Yes.

Packaging instruction Exceptions: 150. Non-bulk: 203. Bulk: 242. Quantity limitation Passenger aircraft/rail: 60 L. Cargo aircraft: 220 L.

Special provisions B1, B52, IB3, T4, TP1, TP29

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# 14. Transport information

**TDG Classification** 

: Product classified as per the following sections of the Transportation of Dangerous

Goods Regulations: 2.18-2.19 (Class 3).

**Explosive Limit and Limited Quantity Index** 5 Passenger Carrying Road or Rail Index 60

Special provisions 16, 150

**IMDG** : Emergency schedules F-E, S-E

Special provisions 223, 274, 955

**IATA** : Quantity limitation Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355.

Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities - Passenger

Aircraft: 10 L. Packaging instructions: Y344.

Special provisions A3

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 : Not available.

to IMO instruments

## 15. Regulatory information

U.S. Federal regulations : United States inventory (TSCA 8b): All components are active or exempted.

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 : FLAMMABLE LIQUIDS - Category 3

EYE IRRITATION - Category 2A

Composition/information on ingredients

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# 15. Regulatory information

| Name              | %     | Classification   |
|-------------------|-------|--|
| Isopropyl alcohol |       | FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Menthol           | 1 - 5 | (Narcotic effects) - Category 3<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2B              |

### **State regulations**

Massachusetts : The following components are listed: ISOPROPYL ALCOHOL

New York : None of the components are listed.

New Jersey : The following components are listed: ISOPROPYL ALCOHOL

Pennsylvania: The following components are listed: 2-PROPANOL

California Prop. 65

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

### **Label elements**

### **Additional information / Recommendations**

**Additional information**: For external use.

Avoid contact with eyes. Read label before use. 'Keep away from excessive heat or open flame.'No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

## 16. Other information

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



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.

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



NFPA (30B) aerosol Flammability Not applicable

## 16. Other information

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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.

**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 = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Date of issue

: 12/21/2022

Date of previous issue

: No previous validation

Version

: 1.0

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Indicates information that has changed from previously issued version.

### 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.



RB is a member of the CSPA Product Care Product Stewardship Program.