

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Trade name NATFSI

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Uses of the Substance / Mixture**

- Scientific research and development
- Manufacture of computer, electronic and optical products, electrical equipment
- Antistatic agents

**Uses advised against**

- FOR RESEARCH AND DEVELOPMENT USE ONLY. This is an experimental material which should be handled or used by, or directly under the supervision of, a technically qualified individual. Its toxicological, physical and chemical properties have not been completely investigated.

**1.3 Details of the supplier of the safety data sheet****Company**

Solvay USA Inc.,  
504 CARNEGIE CENTER  
PRINCETON NJ 08540, USA  
Tel. : +1 609 860 4000  
Fax : +1 609 860 2241

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT CHEMTREC (24-Hour Number): 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

**SECTION 2: Hazards identification**

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

**2.1 Classification of the substance or mixture****HCS 2012 (29 CFR 1910.1200)**

Combustible dust  
Acute toxicity, Category 3  
Skin corrosion, Category 1B  
Serious eye damage, Category 1

May form combustible dust concentrations in air.  
H301: Toxic if swallowed.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.

## 2.2 Label elements

**HCS 2012 (29 CFR 1910.1200)****Pictogram****Signal Word**

- Danger

**Hazard Statements**

- May form combustible dust concentrations in air.
- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.

**Precautionary Statements**Prevention

- P260 Do not breathe dusts or mists.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

- P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
- P363 Wash contaminated clothing before reuse.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Other hazards which do not result in classification

- H402: Harmful to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

**SECTION 3: Composition/information on ingredients**

## 3.1 Substance

**Hazardous Ingredients and Impurities**

| Chemical name                           | Identification number<br>CAS-No. | Concentration [%] |
|---|----------------------------------|-------------------|
| Sodium bis(trifluoromethane)sulfonimide | 91742-21-1                       | >= 99 - <= 100    |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**3.2 Mixture**

- Not applicable, this product is a substance.

**SECTION 4: First aid measures****4.1 Description of first-aid measures****General advice**

- Show this material safety data sheet to the doctor in attendance.
- First responder needs to protect himself.
- Place affected apparel in a sealed bag for subsequent decontamination.

**In case of inhalation**

- Move to fresh air.
- Keep at rest.
- If breathing is difficult, give oxygen.
- Consult a physician.

**In case of skin contact**

- Take off contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 15 minutes).
- Consult a physician.

**In case of eye contact**

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Get immediate medical advice/ attention.
- If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.

**In case of ingestion**

- Do NOT induce vomiting.
- Do not give anything to drink.
- Get immediate medical advice/ attention.

**4.2 Most important symptoms and effects, both acute and delayed****Effects**

- Skin contact may aggravate existing skin disease
- Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
- Treat symptomatically.
- There is no specific antidote available.

**SECTION 5: Firefighting measures**

**Flash point** Not applicable, solid for which the melting point is > 100 °C / 212°F

**Autoignition temperature** No data available

**Flammability / Explosive limit** No data available

## 5.1 Extinguishing media

### Suitable extinguishing media

- Foam
- powder
- Carbon dioxide (CO2)

## 5.2 Special hazards arising from the substance or mixture

- Risk of dust explosion.
- On combustion, toxic gases are released.

## 5.3 Advice for firefighters

### Special protective equipment for fire-fighters

- Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

### Specific fire fighting methods

- Evacuate personnel to safe areas.
- Stay upwind.
- Do not inhale fumes.
- Cool containers/tanks with water spray.
- Use appropriate means for fighting adjacent fires.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Remove all sources of ignition.
- Avoid dust formation.
- Avoid contact with eyes, skin, and respiratory system.
- Use personal protective equipment.
- For personal protection see section 8.
- Mark the contaminated area with signs and prevent access to unauthorized personnel.
- Ventilate the area.

### 6.2 Environmental precautions

- Do not allow uncontrolled discharge of product into the environment.
- Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies

### 6.3 Methods and materials for containment and cleaning up

#### **Recovery**

- Shovel or sweep up.
- Avoid dust formation.
- Non-sparking tools should be used.
- Pick up and transfer to properly labeled containers.
- Keep in suitable, closed containers for disposal.

**Neutralization**

- Cover with dry sodium carbonate.
- Calcium hydroxide

**Decontamination / cleaning**

- Wash nonrecoverable remainder with large amounts of water.
- Recover the cleaning water for subsequent disposal.
- Ventilate the area.

**Disposal**

- Treat recovered material as described in the section "Disposal considerations".

**6.4 Reference to other sections**

- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 13. DISPOSAL CONSIDERATIONS

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Keep away from fire, sparks and heated surfaces.
- Potential dust explosion hazard.
- Avoid dust formation.
- Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
- It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.
- Non-sparking tools should be used.
- Blanket with inert gas.
- Ground/bond container and receiving equipment.
- Avoid any direct contact with the product.
- Use only with adequate ventilation/personal protection.
- For personal protection see section 8.
- The product must only be handled by specifically trained employees.

**Hygiene measures**

- Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Use clean, well maintained personal protection equipment.
- Contaminated work clothing should not be allowed out of the workplace.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions**

- Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Keep in a cool, well-ventilated place.
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep container tightly closed.
- Keep away from: Strong oxidizing agents

**Packaging material****Suitable material**

- Polyethylene
- Double Polyethylene bags inside Aluminum thermosealed bags

**Unsuitable material**

- Certain plastic materials.

**7.3 Specific end use(s)**

- no data available

**SECTION 8: Exposure controls/personal protection**

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**8.1 Control parameters**

**Contains no substances with occupational exposure limit values.**

**Components with workplace occupational exposure limits**

| Components                           | Value type | Value                                  | Basis  |
|--------------------------------------|------------|--|--|
| Particulates not otherwise regulated | PEL        | 15 mg/m <sup>3</sup>                   | Occupational Safety and Health Administration<br>- Table Z-1 Limits for Air Contaminants |
|                                      |            | Form of exposure : Total dust          |  |
| Particulates not otherwise regulated | PEL        | 5 mg/m <sup>3</sup>                    | Occupational Safety and Health Administration<br>- Table Z-1 Limits for Air Contaminants |
|                                      |            | Form of exposure : Respirable fraction |  |

## 8.2 Exposure controls

### Control measures

#### **Engineering measures**

- Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :
- Facilities and equipment easily cleanable.
- Effective exhaust ventilation system
- Avoid dust formation.
- Provide appropriate exhaust ventilation at places where dust is formed.
- It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.
- Maintain air concentrations below occupational exposure standards.

### Individual protection measures

#### **Respiratory protection**

- When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.
- General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Use a respirator with an approved filter if a risk assessment indicates this is necessary.

#### **Hand protection**

- Where there is a risk of contact with hands, use appropriate gloves
- Gloves must be inspected prior to use.
- Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

#### ***Suitable material***

- PVC

#### **Eye protection**

- Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.
- Eye contact should be prevented through the use of:
- Safety goggles

#### **Skin and body protection**

- Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Wear as appropriate:
- Long sleeved clothing
- Dust impervious protective suit
- disposable one-piece overall with integral hood
- Remove and wash contaminated apparel.

#### **Hygiene measures**

- Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this

- material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
  - 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
  - Ensure that eyewash stations and safety showers are close to the workstation location.
  - Use clean, well maintained personal protection equipment.
  - Contaminated work clothing should not be allowed out of the workplace.

**Protective measures**

- Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.
- The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment.

**SECTION 9: Physical and chemical properties**

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

**9.1 Information on basic physical and chemical properties**

|   |   |
|---|---|
| <b><u>Appearance</u></b>                              | <b><u>Form:</u></b> powder  |
|   | <b><u>Physical state:</u></b> solid                                   |
|   | <b><u>Color:</u></b> white  |
| <b><u>Odor</u></b>                                    | odorless  |
| <b><u>Odor Threshold</u></b>                          | No data available   |
| <b><u>Molecular weight</u></b>                        | 303.14 g/mol  |
| <b><u>pH</u></b>                                      | 5.0 - 9.0 ( 10 g/l)   |
| <b><u>Melting point/freezing point</u></b>            | 496 - 500 °F (258 - 260 °C)   |
| <b><u>Initial boiling point and boiling range</u></b> | No data available   |
| <b><u>Flash point</u></b>                             | Not applicable, solid for which the melting point is > 100 °C / 212°F |
| <b><u>Evaporation rate (Butylacetate = 1)</u></b>     | No data available   |
| <b><u>Flammability (solid, gas)</u></b>               | May form combustible dust concentrations in air.                      |
| <b><u>Flammability / Explosive limit</u></b>          | No data available   |
| <b><u>Autoignition temperature</u></b>                | No data available   |
| <b><u>Vapor pressure</u></b>                          | No data available   |
| <b><u>Vapor density</u></b>                           | No data available   |
| <b><u>Density</u></b>                                 | No data available   |
| <b><u>Relative density</u></b>                        | No data available   |



|  |  |
|--|--|
| <b><u>Solubility</u></b>                             | <u>Water solubility:</u><br>completely soluble   |
| <b><u>Partition coefficient: n-octanol/water</u></b> | No data available  |
| <b><u>Decomposition temperature</u></b>              | > 572 °F (> 300 °C)  |
| <b><u>Viscosity</u></b>                              | No data available  |
| <b><u>Explosive properties</u></b>                   | No data available  |
| <b><u>Oxidizing properties</u></b>                   | The substance or mixture is not classified as oxidizing.<br>Method: EU Test Guideline A17<br>Structure-activity relationship (SAR) |

## 9.2 Other information

|                              |                      |
|------------------------------|----------------------|
| <b><u>Hygroscopicity</u></b> | strongly hygroscopic |
|------------------------------|----------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- Not classified as a reactivity hazard.

### 10.2 Chemical stability

- Stable at room temperature.
- Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization does not occur.

### 10.4 Conditions to avoid

- Avoid dust formation.
- Risk of dust explosion.
- Keep away from flames and sparks.

### 10.5 Incompatible materials

- Strong oxidizing agents

### 10.6 Hazardous decomposition products

#### **Hazardous decomposition products**

- On thermal decomposition (pyrolysis) releases:
- Toxic Gas
- hydrofluoric acid
- Nitrogen oxides (NO<sub>x</sub>)
- Sulfur oxides
- (Carbon oxides (CO + CO<sub>2</sub>)).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### **Acute toxicity**

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|  |  |
|--|--|
| <b>Acute oral toxicity</b>                             | By analogy<br>Toxic if swallowed.  |
| <b>Acute inhalation toxicity</b>                       | May cause mechanical irritation to the respiratory tract   |
| <b>Acute dermal toxicity</b>                           | By analogy<br>Toxic in contact with skin.  |
| <b>Acute toxicity (other routes of administration)</b> | No data available  |
| <b><u>Skin corrosion/irritation</u></b>                | Causes burns.<br>By analogy  |
| <b><u>Serious eye damage/eye irritation</u></b>        | Not applicable<br>Corrosive  |
| <b><u>Respiratory or skin sensitization</u></b>        | Magnusson and Kligman method - Guinea pig<br>By analogy<br>Not classified as sensitizing by skin contact<br>Unpublished internal reports |
| <b><u>Mutagenicity</u></b>                             |  |
| <b>Genotoxicity in vitro</b>                           | By analogy<br>Test results are based on the dry product.<br>Product is not considered to be genotoxic<br>internal evaluation             |
| <b>Genotoxicity in vivo</b>                            | No data available  |
| <b><u>Carcinogenicity</u></b>                          | No data available  |

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
IARC  
OSHA

#### **Toxicity for reproduction and development**

|  |                   |
|--|-------------------|
| <b>Toxicity to reproduction / fertility</b>  | No data available |
| <b>Developmental Toxicity/Teratogenicity</b> | No data available |

#### **STOT**

|  |                   |
|--|-------------------|
| <b>STOT-single exposure</b>                  | No data available |
| <b>STOT-repeated exposure</b>                | No data available |
| <b><u>Experience with human exposure</u></b> | No data available |
| <b><u>Aspiration toxicity</u></b>            | No data available |

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Aquatic Compartment**

|  |   |
|--|---|
| <b>Acute toxicity to fish</b>                                      | LC50 - 96 h : 88.4 mg/l - Oncorhynchus mykiss (rainbow trout)<br>By analogy<br>Unpublished internal reports                 |
| <b>Acute toxicity to daphnia and other aquatic invertebrates</b>   | EC50 - 48 h : > 100 mg/l - Daphnia magna (Water flea)<br>By analogy<br>Unpublished internal reports                         |
| <b>Toxicity to aquatic plants</b>                                  | EC50 - 72 h : 178 mg/l - Scenedesmus subspicatus<br>The product itself has not been tested.<br>Unpublished internal reports |
| <b>Toxicity to microorganisms</b>                                  | EC50 - 3 h : > 1,000 mg/l - activated sludge<br>The product itself has not been tested.<br>Unpublished internal reports     |
| <b>Chronic toxicity to fish</b>                                    | No data available   |
| <b>Chronic toxicity to daphnia and other aquatic invertebrates</b> | No data available   |

**12.2 Persistence and degradability**

**Abiotic degradation** No data available

**Physical- and photo-chemical elimination** No data available

**Biodegradation**

**Biodegradability** Ultimate aerobic biodegradability  
Not biodegradable.  
Unpublished internal reports

**12.3 Bioaccumulative potential**

**Partition coefficient: n-octanol/water** Not potentially bioaccumulable

**Bioconcentration factor (BCF)** No data available

**12.4 Mobility in soil**

**Adsorption potential (Koc)** No data available

**Known distribution to environmental compartments** Ultimate destination of the product: Water

**12.5 Results of PBT and vPvB assessment** No data available

**12.6 Other adverse effects****Ecotoxicity assessment**

**Short-term (acute) aquatic hazard** By analogy  
Harmful to aquatic organisms.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
- Incinerate directly or in combination with a flammable solvent.
- Dispose of wastes in an approved waste disposal facility.

**Prohibition**

- Do not dispose of with domestic refuse.
- Should not be released into the environment.

**Waste Code**

- RCRA Hazardous Waste (40 CFR 302)
- Hazardous Waste – NO

**Advice on cleaning and disposal of packaging**

- Dispose of in accordance with local regulations.

**SECTION 14: Transport information**

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**DOT**

|                                    |   |
|------------------------------------|---|
| <b>14.1 UN number</b>              | UN 2923   |
| <b>14.2 Proper shipping name</b>   | CORROSIVE SOLIDS, TOXIC, N.O.S. (Sodium bis(trifluoromethane)sulfonimide) |
| <b>14.3 Transport hazard class</b> | 8   |
| Subsidiary hazard class            | 6.1   |
| Label(s)                           | 8 (6.1)   |
| <b>14.4 Packing group</b>          |   |
| Packing group                      | II  |
| ERG No                             | 154   |
| <b>14.5 Environmental hazards</b>  | NO  |
| <b>Marine pollutant</b>            |   |

**TDG**

|                                  |  |
|----------------------------------|--|
| <b>14.1 UN number</b>            | UN 2923                                |
| <b>14.2 Proper shipping name</b> | CORROSIVE SOLID, TOXIC, N.O.S. (Sodium |

bis(trifluoromethane)sulfonimide)

**14.3 Transport hazard class**

8

Subsidiary hazard class

6.1

Label(s)

8 (6.1)

**14.4 Packing group**

Packing group

II

ERG No

154

**14.5 Environmental hazards**

NO

**Marine pollutant****NOM**

No data available

**IMDG****14.1 UN number**

UN 2923

**14.2 Proper shipping name**CORROSIVE SOLID, TOXIC, N.O.S. (Sodium  
bis(trifluoromethane)sulfonimide)  
Acids (SGG1)

IMDG Code segregation group

**14.3 Transport hazard class**

8

Subsidiary hazard class

6.1

Label(s)

8 (6.1)

**14.4 Packing group**

Packing group

II

**14.5 Environmental hazards**

NO

**Marine pollutant****14.6 Special precautions for user**

EmS

F-A , S-B

For personal protection see section 8.

**14.7 Transport in bulk vessels according to IMO instruments**

No data available

**IATA**

|  |  |
|--|--|
| <b>14.1 UN number</b>                    | UN 2923  |
| <b>14.2 Proper shipping name</b>         | CORROSIVE SOLID, TOXIC, N.O.S. (Sodium bis(trifluoromethane)sulfonimide) |
| <b>14.3 Transport hazard class</b>       | 8  |
| Subsidiary hazard class:                 | 6.1  |
| Label(s):                                | 8 (6.1)  |
| <b>14.4 Packing group</b>                | II   |
| Packing instruction (cargo aircraft)     | 863  |
| Max net qty / pkg                        | 50.00 kg   |
| Packing instruction (passenger aircraft) | 859  |
| Max net qty / pkg                        | 15.00 kg   |
| <b>14.5 Environmental hazards</b>        | NO   |
| <b>14.6 Special precautions for user</b> |  |
| For personal protection see section 8.   |  |

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

**SECTION 15: Regulatory information****15.1 Notification status**

- no data available

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

|  |     |
|--|-----|
| Combustible dust                       | Yes |
| Acute toxicity (any route of exposure) | Yes |
| Skin corrosion or irritation           | Yes |
| Serious eye damage or eye irritation   | Yes |

The categories not mentioned are not relevant for the product.

**Section 313 Toxic Chemicals (40 CFR 372.65)**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)**

This material does not contain any components with a section 302 EHS TPQ.

**Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)**

This material does not contain any components with a SARA 302 RQ.

**Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)**

This material does not contain any components with a section 304 EHS RQ.

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**US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

This material does not contain any components with a CERCLA RQ.

**15.3 State Regulations****US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SECTION 16: Other information**

Date Prepared: 08/12/2020

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PEL: Permissible exposure limit (PEL)
- TWA: Time weighted average
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
- NIOSH: National Institute for Occupational Safety and Health
- ADR: European Agreement on International Carriage of Dangerous Goods by Road.
- ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.
- RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
- IATA: International Air Transport Association.
- ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air.
- IMDG: International Maritime Dangerous Goods.
- TWA: Time weighted average
- ATE: Estimated value of acute toxicity
- EC: European Community number
- CAS: Chemical Abstracts Service.
- LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).
- LC50: Substance concentration causing 50% (half) death in the test animals group.
- EC50: Effective Concentration of the substance causing the maximum of 50%.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.
- SEA: Classification, labeling, packaging regulation
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration
- BHOT: Specific Target Organ Toxicity

**Not all acronyms listed above are referenced in this SDS.**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.