

# SAFETY DATA SHEET

According to US Regulation 29 CFR 1910.1200 (HazCom 2012)

## 1. Identification

**Product identifier:** Triethylamine

**Other means of identification**

**Product No.:** 1961, 9111, W635, W639

**Recommended restrictions**

**Recommended use:** For Laboratory, Research or Manufacturing Use.

**Restrictions on use:** Not determined.

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

Company Name: Avantor Performance Materials, LLC  
Address: 100 Matsonford Rd, Suite 200  
Radnor, PA 19087

Telephone: Customer Service: 855-282-6867

Contact Person: Product Information Compliance  
E-mail: info@avantormaterials.com

**Emergency telephone number:**

CHEMTREC: 1-800-424-9300 within US and Canada (24 hrs/day, 7 days/week)

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

|                   |            |
|-------------------|------------|
| Flammable liquids | Category 2 |
|-------------------|------------|

**Health Hazards**

|   |                         |
|---|-------------------------|
| Acute toxicity (Oral)                               | Category 4              |
| Acute toxicity (Dermal)                             | Category 3              |
| Acute toxicity (Inhalation - vapor)                 | Category 3              |
| Skin Corrosion/Irritation                           | Category 1A             |
| Serious Eye Damage/Eye Irritation                   | Category 1              |
| Specific Target Organ Toxicity -<br>Single Exposure | Category 3 <sup>1</sup> |

**Target Organs**

1. Respiratory tract irritation.

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** Highly flammable liquid and vapor.  
Harmful if swallowed.  
Toxic in contact with skin.  
Toxic if inhaled.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Take action to prevent static discharges. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** Specific treatment (see on this label). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**3. Composition/information on ingredients**

**Substances**

| Chemical Identity | CAS number | Content in percent (%)* |
|-------------------|------------|-------------------------|
| Triethylamine     | 121-44-8   | 99.8 - 100.0%           |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures**

|                             |   |
|-----------------------------|---|
| <b>General information:</b> | Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.   |
| <b>Ingestion:</b>           | Rinse mouth. Do NOT induce vomiting. Get medical attention if symptoms occur.   |
| <b>Inhalation:</b>          | Move to fresh air. Get medical attention if symptoms persist.   |
| <b>Skin Contact:</b>        | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. |
| <b>Eye contact:</b>         | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation persists after washing.   |

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

|                  |   |
|------------------|---|
| <b>Symptoms:</b> | Toxic if inhaled. Toxic in contact with skin. Harmful if swallowed. Corrosive to skin and eyes. |
| <b>Hazards:</b>  | None known.   |

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

|                   |   |
|-------------------|---|
| <b>Treatment:</b> | Treat symptomatically. Symptoms may be delayed. |
|-------------------|---|

**5. Fire-fighting measures**

|                              |  |
|------------------------------|--|
| <b>General Fire Hazards:</b> | In case of fire and/or explosion do not breathe fumes. |
|------------------------------|--|

**Suitable (and unsuitable) extinguishing media**

|  |  |
|--|--|
| <b>Suitable extinguishing media:</b>   | Water spray, foam, dry powder or carbon dioxide.                   |
| <b>Unsuitable extinguishing media:</b> | Avoid water in straight hose stream; will scatter and spread fire. |

|  |  |
|--|--|
| <b>Specific hazards arising from the chemical:</b> | Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Heat may cause the containers to explode. |
|--|--|

**Special protective equipment and precautions for firefighters**

|  |  |
|--|--|
| <b>Special fire fighting procedures:</b>               | Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk. |
| <b>Special protective equipment for fire-fighters:</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |

**6. Accidental release measures**

|   |  |
|---|--|
| <b>Personal precautions, protective equipment and emergency procedures:</b> | ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Keep upwind. Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. See Section 8 of the SDS for Personal Protective Equipment.                   |
| <b>Methods and material for containment and cleaning up:</b>                | In case of leakage, eliminate all ignition sources. Take precautionary measures against static discharges. Stop leak if possible without any risk. Use non-sparking tools. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal. |
| <b>Notification Procedures:</b>   | Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.   |
| <b>Environmental Precautions:</b>   | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |

**7. Handling and storage**

|  |   |
|--|---|
| <b>Precautions for safe handling:</b>                                | DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Wear protective gloves/protective clothing/eye protection/face protection. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. |
| <b>Conditions for safe storage, including any incompatibilities:</b> | Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a cool, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.   |

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

| Chemical Identity | Type     | Exposure Limit Values             | Source  |
|-------------------|----------|-----------------------------------|---|
| Triethylamine     | TWA      | 0.5 ppm                           | US. ACGIH Threshold Limit Values (03 2015)  |
|                   | STEL     | 1 ppm                             | US. ACGIH Threshold Limit Values (03 2015)  |
|                   | SKIN_DES | Can be absorbed through the skin. | US. ACGIH Threshold Limit Values (2011)   |
|                   | PEL      | 25 ppm 100 mg/m3                  | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)               |
|                   | TWA      | 10 ppm 40 mg/m3                   | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)  |
|                   | STEL     | 15 ppm 60 mg/m3                   | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)  |
|                   | TWA      | 10 ppm 40 mg/m3                   | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                    |
|                   | ST ESL   | Health 40 µg/m3                   | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016) |
|                   | AN ESL   | Health 4 µg/m3                    | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11       |

|  |          |                                   |                 |  |
|--|----------|-----------------------------------|-----------------|--|
|  |          |                                   |                 | 2016)  |
|  | ST ESL   | Health                            | 10 ppb          | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)  |
|  | AN ESL   | Health                            | 1 ppb           | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)  |
|  | SKIN_DES | Can be absorbed through the skin. |                 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|  | Ceiling  |                                   | 1 ppm 4.1 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|  | STEL     |                                   | 15 ppm 60 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (01 2019)                     |

**Appropriate Engineering Controls** No data available.

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

**General information:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

**Eye/face protection:** Wear safety glasses with side shields (or goggles) and a face shield.

**Skin Protection**

**Hand Protection:** Chemical resistant gloves

**Other:** Wear suitable protective clothing.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

**9. Physical and chemical properties**

**Appearance**

**Physical state:** Liquid

**Form:** Liquid

**Color:** Colorless

**Odor:** Amines.

**Odor threshold:** No data available.

**pH:** 12.5

**Melting point/freezing point:** -115 °C

**Initial boiling point and boiling range:** 89 - 90 °C

**Flash Point:** -11 °C (Closed Cup)

**Evaporation rate:** 5.6 (butyl acetate=1)

**Flammability (solid, gas):** Class IB Flammable Liquid

**Upper/lower limit on flammability or explosive limits**

**Flammability limit - upper (%):** 8.0 %(V)

**Flammability limit - lower (%):** 1.2 %(V)

**Explosive limit - upper (%):** No data available.

|   |   |
|---|---|
| <b>Explosive limit - lower (%):</b>             | No data available.  |
| <b>Vapor pressure:</b>                          | 69 - 72 hPa (20 °C) 76.12 hPa (25 °C)   |
| <b>Vapor density:</b>                           | 3.49 (Air=1)  |
| <b>Density:</b>                                 | 0.73 g/ml (20 °C)   |
| <b>Relative density:</b>                        | 0.7255 (25 °C)  |
| <b>Solubility(ies)</b>                          |   |
| <b>Solubility in water:</b>                     | 15 g/l (20 °C)  |
| <b>Solubility (other):</b>                      | acetone: Very soluble<br>ethanol: Soluble<br>ethyl ether: Soluble<br>mineral oil: Soluble |
| <b>Partition coefficient (n-octanol/water):</b> | 1.45  |
| <b>Auto-ignition temperature:</b>               | 215 °C  |
| <b>Decomposition temperature:</b>               | No data available.  |
| <b>Viscosity:</b>                               | No data available.  |
| <b>Other information</b>                        |   |
| <b>Minimum ignition energy:</b>                 | 0.75 mJ   |
| <b>Molecular weight:</b>                        | 101.19 g/mol ((C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N)                            |

## 10. Stability and reactivity

|  |  |
|--|--|
| <b>Reactivity:</b>                         | No dangerous reaction known under conditions of normal use.      |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.                      |
| <b>Possibility of hazardous reactions:</b> | Hazardous polymerization does not occur.                         |
| <b>Conditions to avoid:</b>                | Heat, sparks, flames. Contact with incompatible materials.       |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents. Strong acids. Aluminum. Zinc.           |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition may produce oxides of carbon and nitrogen. |

## 11. Toxicological information

### Information on likely routes of exposure

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Toxic if inhaled.   |
| <b>Skin Contact:</b> | Toxic in contact with skin. Causes severe skin burns.                             |
| <b>Eye contact:</b>  | Causes serious eye damage.  |
| <b>Ingestion:</b>    | Harmful if swallowed. May cause burns of the gastrointestinal tract if swallowed. |

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

|                 |                                |
|-----------------|--------------------------------|
| <b>Oral</b>     |                                |
| <b>Product:</b> | LD 50 (Rat): 460 - 730 mg/kg   |
| <b>Dermal</b>   |                                |
| <b>Product:</b> | LD 50 (Rabbit) 416 - 580 mg/kg |

**Inhalation**  
**Product:** LC 50 (Rat, 4 h) 10.9 mg/l

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** Causes severe skin burns.

**Serious Eye Damage/Eye Irritation**  
**Product:** Causes serious eye damage.

**Respiratory or Skin Sensitization**  
**Product:** Not a skin nor a respiratory sensitizer.

**Carcinogenicity**  
**Product:** This substance has no evidence of carcinogenic properties.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**  
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**  
No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No mutagenic components identified

**In vivo**  
**Product:** No mutagenic components identified

**Reproductive toxicity**  
**Product:** No components toxic to reproduction

**Specific Target Organ Toxicity - Single Exposure**  
**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**  
**Product:** No data available.

**Target Organs**  
Specific Target Organ Toxicity - Single Exposure: Respiratory tract irritation.

**Aspiration Hazard**  
**Product:** Not classified

**Other effects:** None known.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Triethylamine  
LC 50 (Oncorhynchus mykiss, 96 h): 36 - 38 mg/l  
NOAEL (Oncorhynchus mykiss, 96 h): 16 mg/l  
LC 50 (Oryzias latipes, 96 h): 24 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Triethylamine  
EC 50 (Daphnia magna, 48 h): 34 mg/l  
EC 50 (Ceriodaphnia dubia, 48 h): 17 mg/l  
NOAEL (Ceriodaphnia dubia, 48 h): 12 mg/l

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Triethylamine  
LC 50 (Danio rerio, 7 d): 180 mg/l  
EC 50 (Oncorhynchus mykiss, 60 d): 130 mg/l  
LC 50 (Oncorhynchus mykiss, 60 d): 137 mg/l  
EC 50 (Danio rerio, 7 d): 53 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Triethylamine  
NOAEL (Ceriodaphnia dubia, 7 d): 7.1 mg/l  
EC 50 (Daphnia magna, 21 d): 38 mg/l  
NOAEL (Daphnia magna, 21 d): 11 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** There are no data on the degradability of this product.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available on bioaccumulation.

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

**Product:** Log Kow: 1.45

**Mobility in soil:** No data available.



**Known or predicted distribution to environmental compartments**

Triethylamine                      No data available.

**Other adverse effects:**                      The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**13. Disposal considerations**

**Disposal instructions:**                      Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:**                      Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**

|                               |                 |
|-------------------------------|-----------------|
| UN Number:                    | UN 1296         |
| UN Proper Shipping Name:      | Triethylamine   |
| Transport Hazard Class(es)    |                 |
| Class:                        | 3               |
| Label(s):                     | 3, 8            |
| Packing Group:                | II              |
| Marine Pollutant:             | No              |
| Special precautions for user: | Not determined. |

**IMDG**

|                               |                 |
|-------------------------------|-----------------|
| UN Number:                    | UN 1296         |
| UN Proper Shipping Name:      | TRIETHYLAMINE   |
| Transport Hazard Class(es)    |                 |
| Class:                        | 3               |
| Label(s):                     | 3, 8            |
| EmS No.:                      | F-E, S-C        |
| Packing Group:                | II              |
| Marine Pollutant:             | No              |
| Special precautions for user: | Not determined. |

**IATA**

|                               |                 |
|-------------------------------|-----------------|
| UN Number:                    | UN 1296         |
| Proper Shipping Name:         | Triethylamine   |
| Transport Hazard Class(es):   |                 |
| Class:                        | 3               |
| Label(s):                     | 3, 8            |
| Packing Group:                | II              |
| Marine Pollutant:             | No              |
| Special precautions for user: | Not determined. |

**15. Regulatory information**

**US Federal Regulations**

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

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Triethylamine            | 5000 lbs.                  |

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

**Hazard categories**

- Flammable (gases, aerosols, liquids, or solids)
- Acute toxicity (any route of exposure)
- Skin Corrosion or Irritation
- Serious eye damage or eye irritation
- Specific target organ toxicity (single or repeated exposure)
- Hazards Not Otherwise Classified (HNOC)

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 311/312 Hazardous Chemical**

| <u>Chemical Identity</u> | <u>Threshold Planning Quantity</u> |
|--------------------------|------------------------------------|
| Triethylamine            | 10000 lbs.                         |

**SARA 313 (TRI Reporting)**

| <u>Chemical Identity</u> | <u>Reporting threshold for other users</u> | <u>Reporting threshold for manufacturing and processing</u> |
|--------------------------|--|---|
| Triethylamine            | 10000 lbs.                                 | 25000 lbs.  |

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

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):**

| <u>Chemical Identity</u> | <u>Reportable quantity</u>     |
|--------------------------|--------------------------------|
| Triethylamine            | Reportable quantity: 5000 lbs. |

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

| <u>Chemical Identity</u> |
|--------------------------|
| Triethylamine            |

**US. Massachusetts RTK - Substance List**

| <u>Chemical Identity</u> |
|--------------------------|
| Triethylamine            |

**US. Pennsylvania RTK - Hazardous Substances**

| <u>Chemical Identity</u> |
|--------------------------|
| Triethylamine            |

**US. Rhode Island RTK**

**Chemical Identity**

Triethylamine

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

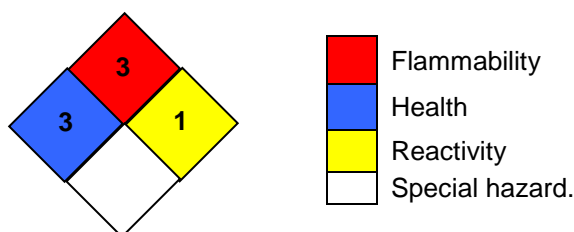
Not applicable

**Inventory Status:**

|  |  |
|--|--|
| Australia AICS:                          | On or in compliance with the inventory |
| Canada DSL Inventory List:               | On or in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| Japan (ENCS) List:                       | On or in compliance with the inventory |
| Japan ISHL Listing:                      | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI):    | On or in compliance with the inventory |
| Mexico INSQ:                             | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals:      | On or in compliance with the inventory |
| Philippines PICCS:                       | On or in compliance with the inventory |
| Taiwan Chemical Substance Inventory:     | On or in compliance with the inventory |
| US TSCA Inventory:                       | On or in compliance with the inventory |
| EINECS, ELINCS or NLP:                   | On or in compliance with the inventory |

**16. Other information, including date of preparation or last revision**

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 02-01-2021  
**Revision Information:** Not relevant.  
**Version #:** 1.1

**Source of information:** Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.

**Further Information:** No data available.

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