

# SAFETY DATA SHEET

Revision date 14-Jun-2021

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Blue Cheese

### Other means of identification

**Product Code(s)** FG00012

**UN number or ID number** UN2319

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Flavors

**Restrictions on use** This product is concentrated and should be diluted before use. Do not use with tobacco or nicotine products. Users should conduct and determine their own safety standards for use. This product has not been evaluated for safe use in any vaping application where the products are intentionally inhaled. It's the users responsibility to ensure safe conditions for use, handling, storage, disposal of the product, and to assume liability for loss, injury, damage, or expense due to improper use. Do not use product if you are pregnant, nursing, or a person with or at risk of health conditions including but not limited to: heart disease, high blood pressure, diabetes, respiratory illness, or if you are taking medicine for depression or asthma. Stop use and consult your doctor if any adverse reactions occur. This product is not intended to diagnose, treat, cure or prevent any disease.

### Details of the supplier of the safety data sheet

#### Initial supplier identifier

Xtra Laboratories LLC  
3121 S. Park Dr  
Tempe, AZ 85282  
Telephone 480-968-6569

#### Supplier Address

Xtra Laboratories LLC  
3121 S. Park Dr  
Tempe, AZ 85282  
Telephone 480-968-6569

### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC - 24hr Emergency Phone number USA 800-424-9300

**Emergency Telephone** No information available

## 2. Hazard(s) identification

### Classification

|                    |             |
|--------------------|-------------|
| Skin sensitization | Category 1B |
| Carcinogenicity    | Category 2  |
| Flammable liquids  | Category 3  |

**Appearance**  
**Label elements**

**Physical state** Liquid

**Odor** Characteristic Odor

**Warning**

**Hazard statements**

May cause an allergic skin reaction

Suspected of causing cancer

Flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves, protective clothing, eye protection and face protection

Avoid breathing dust, fume, gas, mist, vapors and spray

Contaminated work clothing must not be allowed out of the workplace

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 and .? equipment

Use only non-sparking tools

Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see .? on this label)

**Skin**

If skin irritation or rash occurs: Get medical advice and attention

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower

**Fire**In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant

**Other information**

May be harmful if swallowed. Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

| Chemical name | CAS No       | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---------------|--------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Trade secret  | Trade secret | 0 - 10%  | -                                                                            | -                                                           |
| Trade secret  | Trade secret | 0 - 10%  | -                                                                            | -                                                           |
| Trade secret  | Trade secret | 0 - 10%  | -                                                                            | -                                                           |
| Trade secret  | Trade secret | 0 - 10%  | -                                                                            | -                                                           |
| Trade secret  | Trade secret | 0 - 10%  | -                                                                            | -                                                           |

|              |              |         |   |   |
|--------------|--------------|---------|---|---|
| Trade secret | Trade secret | 0 - 10% | - | - |
|--------------|--------------|---------|---|---|

## 4. First-aid measures

### Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.                                                                                                                                                     |
| <b>Inhalation</b>                         | Remove to fresh air.                                                                                                                                                                                                                                                |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.                                                                                                                |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.                                                    |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water.                                                                                                                                                                                                        |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. |

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

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives. Prolonged contact may cause redness and irritation. |
|-----------------|-----------------------------------------------------------------------------|

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

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| <b>Note to physicians</b> | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|------------------------------------------------------------------------|

## 5. Fire-fighting measures

|                                                       |                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                   | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.                                                                                                                                                                                                                                                         |
| <b>Large Fire</b>                                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                                                                                                                                                                                                                                                            |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.                                                                                                                                                                                                                                                                             |
| <b>Specific hazards arising from the chemical</b>     | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact. |
| <b>Explosion data</b>                                 |                                                                                                                                                                                                                                                                                                                                               |
| <b>Sensitivity to mechanical impact</b>               | None.                                                                                                                                                                                                                                                                                                                                         |
| <b>Sensitivity to static discharge</b>                | Yes.                                                                                                                                                                                                                                                                                                                                          |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.                                                                                                                                                                                                            |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | See section 8 for more information. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

grounded. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information**

Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up****Methods for containment**

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up**

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

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

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**8. Exposure controls/personal protection****Control parameters****Exposure Limits**

| Chemical name | ACGIH TLV                                 | OSHA PEL                         | NIOSH       |                                           |
|---------------|-------------------------------------------|----------------------------------|-------------|-------------------------------------------|
| Trade secret  | dermal sensitizer<br>TWA: 20 ppm          | -                                | -           |                                           |
| Trade secret  | dermal sensitizer<br>TWA: 20 ppm          | -                                | -           |                                           |
| Chemical name | Alberta                                   | British Columbia                 | Ontario     | Quebec                                    |
| Trade secret  | TWA: 20 ppm<br>TWA: 111 mg/m <sup>3</sup> | TWA: 20 ppm<br>Dermal Sensitizer | TWA: 20 ppm | TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> |
| Trade secret  | TWA: 20 ppm<br>TWA: 111 mg/m <sup>3</sup> | TWA: 20 ppm<br>Dermal Sensitizer | TWA: 20 ppm | TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> |

**Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific

regulatory bodies.

### Appropriate engineering controls

**Engineering controls**                      Showers  
                                                          Eyewash stations  
                                                          Ventilation systems.

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

**Eye/face protection**                      Tight sealing safety goggles.

**Hand protection**                            Impervious gloves. Wear suitable gloves.

**Skin and body protection**                Long sleeved clothing. Chemical resistant apron. Antistatic boots. Wear suitable protective clothing.

**Respiratory protection**                    No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**        Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## **9. Physical and chemical properties**

### Information on basic physical and chemical properties

**Physical state**                                Liquid

**Appearance**

**Color**                                            Clear/Yellow

**Odor**                                            Characteristic Odor

**Odor threshold**                              No information available

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks • Method</u>            |
|----------------------------------------|-------------------|------------------------------------|
| pH                                     | No data available | None known                         |
| Melting point / freezing point         | No data available | None known                         |
| Boiling point / boiling range          | No data available | None known                         |
| Flash point                            | <= 44 °C / 112 °F | ASTM D93 Pensky-Martens Closed Cup |
| Evaporation rate                       | No data available | None known                         |
| Flammability (solid, gas)              | No data available | None known                         |
| Flammability Limit in Air              |                   | None known                         |
| Upper flammability or explosive limits | No data available |                                    |
| Lower flammability or explosive limits | No data available |                                    |
| Vapor pressure                         | No data available | None known                         |
| Relative vapor density                 | No data available | None known                         |
| Relative density                       | .8818             | None known                         |
| Water solubility                       | No data available | None known                         |
| Solubility in other solvents           | OIL               | None known                         |
| Partition coefficient                  | No data available | None known                         |
| Autoignition temperature               | No data available | None known                         |
| Decomposition temperature              |                   | None known                         |
| Kinematic viscosity                    | No data available | None known                         |
| Dynamic viscosity                      | No data available | None known                         |

### Other information

**Explosive properties**                      No information available

|                             |                          |
|-----------------------------|--------------------------|
| <b>Oxidizing properties</b> | No information available |
| <b>Softening point</b>      | No information available |
| <b>Molecular weight</b>     | No information available |
| <b>VOC Content (%)</b>      | No information available |
| <b>Liquid Density</b>       | No information available |
| <b>Bulk density</b>         | No information available |

## 10. Stability and reactivity

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.                  |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.                                                                                                                                                                                        |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.                                                                                                                                                                                        |
| <b>Skin contact</b> | May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Specific test data for the substance or mixture is not available. Causes mild skin irritation. |
| <b>Ingestion</b>    | May be harmful if swallowed.                                                                                                                                                                                                                             |

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

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives. Prolonged contact may cause redness and irritation. |
|-----------------|-----------------------------------------------------------------------------|

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

|                        |                |
|------------------------|----------------|
| <b>ATEmix (oral)</b>   | 4,516.60 mg/kg |
| <b>ATEmix (dermal)</b> | 5,759.90 mg/kg |

#### Component Information

| Chemical name | Oral LD50            | Dermal LD50             | Inhalation LC50 |
|---------------|----------------------|-------------------------|-----------------|
| Trade secret  | > 5 g/kg ( Rat )     | > 5 g/kg ( Rabbit )     | -               |
| Trade secret  | = 2790 mg/kg ( Rat ) | = 2000 mg/kg ( Rabbit ) | -               |
| Trade secret  | = 3700 mg/kg ( Rat ) | > 5000 mg/kg ( Rat )    | -               |
| Trade secret  | > 5000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | -               |
| Trade secret  | > 5 g/kg ( Rat )     | -                       | -               |

|              |                      |   |   |
|--------------|----------------------|---|---|
| Trade secret | = 4390 mg/kg ( Rat ) | - | - |
|--------------|----------------------|---|---|

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                          |                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. May cause skin irritation.                                             |
| <b>Serious eye damage/eye irritation</b> | No information available.                                                                                                      |
| <b>Respiratory or skin sensitization</b> | May cause sensitization by skin contact.                                                                                       |
| <b>Germ cell mutagenicity</b>            | No information available.                                                                                                      |
| <b>Carcinogenicity</b>                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC     | NTP | OSHA |
|---------------|-------|----------|-----|------|
| Trade secret  | -     | Group 2B | -   | X    |

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |

**12. Ecological information**

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | Toxic to aquatic life. Toxic to aquatic life with long lasting effects. |
|--------------------|-------------------------------------------------------------------------|

| Chemical name | Algae/aquatic plants                                   | Fish                                               | Toxicity to microorganisms | Crustacea                                  |
|---------------|--------------------------------------------------------|----------------------------------------------------|----------------------------|--------------------------------------------|
| Trade secret  | EC50: =88.3mg/L (96h, <i>Desmodesmus subspicatus</i> ) | LC50: =27.8mg/L (96h, <i>Oncorhynchus mykiss</i> ) | -                          | EC50: =20mg/L (48h, <i>Daphnia magna</i> ) |
| Trade secret  | -                                                      | LC50: =0.28mg/L (96h, <i>Pimephales promelas</i> ) | -                          | LC50: =41mg/L (48h, <i>Daphnia magna</i> ) |
| Trade secret  | -                                                      | LC50: =0.805mg/L (96h, <i>Danio rerio</i> )        | -                          | -                                          |

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available. |
|--------------------------------------|---------------------------|

|                        |                           |
|------------------------|---------------------------|
| <b>Bioaccumulation</b> | No information available. |
|------------------------|---------------------------|

**Component Information**

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Trade secret  | 2.84 - 3.1            |
| Trade secret  | 4.1                   |

|                         |                           |
|-------------------------|---------------------------|
| <b>Mobility in soil</b> | No information available. |
|-------------------------|---------------------------|

Other adverse effects No information available.

### 13. Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

### 14. Transport information

#### DOT

UN number or ID number UN2319  
 Proper shipping name Terpene hydrocarbons, n.o.s.  
 Transport hazard class(es) 3  
 Packing group III  
 DOT Marine Pollutant I  
 Marine pollutant .alpha.-Pinene, Terpinolene  
 Description UN2319, Terpene hydrocarbons, n.o.s., 3, III, Marine pollutant (.alpha.-Pinene, Terpinolene)  
 Special Provisions B1, IB3, T4, TP1, TP29  
 Emergency Response Guide Number 128

#### TDG

UN number or ID number UN2319  
 UN proper shipping name Terpene hydrocarbons, n.o.s.  
 Transport hazard class(es) 3  
 Packing group III  
 Marine pollutant .alpha.-Pinene, Terpinolene.  
 Description UN2319, Terpene hydrocarbons, n.o.s., 3, III

#### MEX

UN number or ID number UN2319  
 UN proper shipping name Terpene hydrocarbons, n.o.s.  
 Transport hazard class(es) 3  
 Packing group III  
 Description UN2319, Terpene hydrocarbons, n.o.s., 3, III

#### ICAO (air)

UN number or ID number UN2319  
 UN proper shipping name Terpene hydrocarbons, n.o.s.  
 Transport hazard class(es) 3  
 Packing group III  
 Description UN2319, Terpene hydrocarbons, n.o.s., 3, III

#### IATA

UN number or ID number UN2319  
 UN proper shipping name Terpene hydrocarbons, n.o.s.  
 Transport hazard class(es) 3  
 Packing group III  
 ERG Code 3L  
 Description UN2319, Terpene hydrocarbons, n.o.s., 3, III

#### IMDG



|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| UN number or ID number     | UN2319                                                                          |
| UN proper shipping name    | Terpene hydrocarbons, n.o.s.                                                    |
| Transport hazard class(es) | 3                                                                               |
| Packing group              | III                                                                             |
| EmS-No                     | F-E, S-D                                                                        |
| Marine pollutant           | P                                                                               |
| Description                | UN2319, Terpene hydrocarbons, n.o.s. (.alpha.-Pinene), 3, III, Marine pollutant |

**RID**

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| UN number or ID number     | UN2319                                                                  |
| UN proper shipping name    | Terpene hydrocarbons, n.o.s.                                            |
| Transport hazard class(es) | 3                                                                       |
| Packing group              | III                                                                     |
| Classification code        | F1                                                                      |
| Description                | UN2319, Terpene hydrocarbons, n.o.s., 3, III, Environmentally Hazardous |

**ADR**

|                            |                                                                                |
|----------------------------|--------------------------------------------------------------------------------|
| UN number or ID number     | UN2319                                                                         |
| UN proper shipping name    | Terpene hydrocarbons, n.o.s.                                                   |
| Transport hazard class(es) | 3                                                                              |
| Packing group              | III                                                                            |
| Classification code        | F1                                                                             |
| Tunnel restriction code    | (D/E)                                                                          |
| Description                | UN2319, Terpene hydrocarbons, n.o.s., 3, III, (D/E), Environmentally Hazardous |

**ADN**

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| UN number or ID number     | UN2319                                                                  |
| UN proper shipping name    | Terpene hydrocarbons, n.o.s.                                            |
| Transport hazard class(es) | 3                                                                       |
| Packing group              | III                                                                     |
| Classification code        | F1                                                                      |
| Description                | UN2319, Terpene hydrocarbons, n.o.s., 3, III, Environmentally Hazardous |
| Ventilation                | VE01                                                                    |
| Equipment Requirements     | PP, EX, A                                                               |

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### International Inventories

TSCA Contact supplier for inventory compliance status.

| Chemical name | CAS No | US TSCA Inventory listing | US TSCA inactive/active designation |
|---------------|--------|---------------------------|-------------------------------------|
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | -                         | Unknown *                           |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |

| Chemical name | CAS No | US TSCA Inventory listing | US TSCA inactive/active designation |
|---------------|--------|---------------------------|-------------------------------------|
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |
| Trade secret  | -      | Present                   | Active                              |

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |
| <b>IECSC</b>         | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AICS</b>          | Contact supplier for inventory compliance status. |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical name  | California Proposition 65 |
|----------------|---------------------------|
| Trade secret - | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Trade secret  | X          | X             | X            |
| Trade secret  | X          | X             | X            |
| Trade secret  | X          | -             | -            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

|             |                    |                |                    |                                    |
|-------------|--------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 2   | Flammability 2 | Instability 0      | Physical and chemical properties - |
| <b>HMIS</b> | Health hazards 2 * | Flammability 2 | Physical hazards 0 | Personal protection X              |

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

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average)  
Ceiling Maximum limit valueSTEL  
\*STEL (Short Term Exposure Limit)  
Skin designation**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AELG(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

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**End of Safety Data Sheet**