# Safety Data Sheet

Issuing date: 2024/05/05 GHS
Version: 1.0 United States
English (US)

## Section 1. Product and company identification

**Product Name** **CG 339**

**Supplier**

ChemGulf LLC
12730 Spectrim Ln, Suite C
Midlothian, VA 23112
Email: info@chemgulf.com

**Chemical name** N,N-dimethyl octadecylamine
**Synonyms** Octadecyl dimethylamine

**Material uses** Industrial and laboratory chemicals.
**Uses advised against** Do not use where contact with food or drinking water is possible.
Avoid prolonged contact with eyes, skin, and clothing.
**In case of emergency** 001-540-808-7465

## Section 2. Hazards identification

**Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | |
|---|---|
| **Acute toxicity - Oral** | Category 4, H302 |
| **Skin Corrosion/Irritation** | Category 1 Sub-category B, H314 |
| **Serious eye damage/eye irritation** | Category 1, H314 |
| **Chronic aquatic toxicity** | Category 1, H410 |
| **Acute aquatic toxicity** | Category 1, H400 |

**GHS Label elements, including precautionary statements**

**Pictogram**



**Signal Word** Danger

**Hazard Statements**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Precautionary Statements**

| | |
|---|---|
| P260 | Do not breathe mist or vapors. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection. |
| 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 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER / doctor. |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

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

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None known.

# Section 3. Composition/information on ingredients

**Substances**

| | | |
|---|---|---|
| Formula | : | $C_{20}H_{43}N$ |
| CAS No. | : | 124-28-7 |
| EC No. | : | 204-694-8 |

| Component | % wt | North American Hazard Indicator |
|---|---|---|
| N, N-dimethyl octadecylamine | 97 - 100 | True |

# Section 4. First aid measures

**Description of necessary first aid measures**

| | |
|---|---|
| **General Advice** | Show this safety data sheet to the doctor in attendance. |
| **Eye Contact** | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. |
| **Skin Contact** | Wash off immediately with plenty of water. Wash contaminated clothing before reuse. Consult a physician. |

| | |
|---|---|
| **Inhalation** | Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificialrespiration. Consult a physician. |
| **Ingestion** | Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician. |

**Self-Protection of the First Aider**

Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

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

**Signs and Symptoms** No information available.

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

**Notes to Physician** Treat symptomatically.

# Section 5. Fire-fighting measures

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO2). Alcohol-resistant foam.

**Unsuitable Extinguishing Media**

Do not use water jet.

**Hazardous Combustion Products**

Highly irritating vapors are released. Harmful or toxic vapors are released. Carbon oxides. Nitrogen oxides.

**Explosion Data**

Not available

**Sensitivity to mechanical impact**

Not available.

**Sensitivity to static discharge**

Not available.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# Section 6. Accidental release measures

**Personal precautions, protective equipment, and emergency procedures**

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

For personal protection see section 8.

**Environmental precautions**

Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and materials for containment and cleaning up**

Pick up and transfer to properly labelled containers.

**Reference to other sections**

For disposal see section 13.

# Section 7. Handling and storage

**Precautions for safe handling**

**Handling**

Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

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

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properlylabeled containers.

**Incompatible Materials**

Strong oxidizing agents. Strong acids. Copper. Aluminum. Aluminum alloys. Zinc and its Alloys. Peroxides. Phenols. Metals.

# Section 8. Exposure controls/personal protection

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| N,N-Dimethyloctadecylamine | - | - | - |

**Appropriate engineering controls**

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

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and body protection** Use suitable eye protection and gloves.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

# Section 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Clear o Cloudy |
| **Odor** | Ammonia-like |
| **Odor Threshold** | No data available |
| **pH** | No data available |
| **Melting Point** | 21°C |
| **boiling point / boiling range** | 345 – 360 °C |
| **Flash point, closed cup** | 165 ± 5 °C at 101.3 kPa |
| **Evaporation rate** | No data available |
| **Flammability (solid, gas)** | No data available |
| **Upper/lower flammability or explosive limits** | No data available |
| **Vapor Pressure** | 0.00089 Pa at 20 °C |
| **Vapor density** | No data available. |
| **Density** | 0.8 g/cm3 |
| **Relative Density** | No data available |
| **Solubility in water** | Practically insoluble |
| **Partition coefficient: n- octanol/water** | No data available |
| **Auto-ignition temperature** | No data available |
| **Decomposition temperature** | No data available |
| **Viscosity** | No data available |
| **Explosive properties** | No data available |
| **Oxidizing properties** | No data available |

**Other safety information**

No data available.

# Section 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | Not applicable. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Possibility of hazardous reactions** | None under normal processing. |
| **Conditions to avoid** | Heat, flames, and sparks. Ignition sources. |
| **Incompatible materials** | Strong oxidizing agents, strong acids, copper, aluminum, aluminum alloys, zinc and its alloys, peroxides, phenols, metals. |
| **Hazardous decomposition products** | Carbon oxides, nitrogen oxides (NOx). |

# Section 11. Toxicological information

**Product Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|

| | | | |
|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - |

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

**Information on likely routes of exposure**

**Eyes** Causes severe eye damage. Avoid contact with eyes.
**Skin** Causes severe skin burns and eye damage. Avoid contact with skin.
**Inhalation** Avoid breathing dust.
**Ingestion** Harmful if swallowed. Do not take internally.

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

**Symptoms** No information available.

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

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - | - |

**Serious eye damage/irritation** No information available.
**Corrosivity** Causes severe skin burns and eye damage.
**Skin Corrosion/Irritation** No information available.
**Sensitization** No information available.
**Germ cell mutagenicity** No information available
**Carcinogenicity** No information available
**Reproductive Effects** No information available.
**Developmental Effects** No information available.
**STOT - single exposure** No information available.
**STOT - Repeated Exposure** No information available.
**Chronic Toxicity** Avoid repeated exposure.
**Aspiration Hazard** No information available.

# Section 12. Ecological information

**Toxicity**

Very toxic to aquatic life with long lasting effectsAvoid release to the environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - | - |

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

**Mobility in Soil** No information available.

| Chemical name | log Pow = |
|---|---|
| N,N-Dimethyl octadecylamine | - |

**Other adverse effects** No information available

# Section 13. Disposal considerations

**Waste treatment methods**

**Disposal Methods**

Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging**

Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# Section 14. Transport information

**DOT**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Hazard class** | 8 |
| **Packing Group** | II |
| **DOT Marine Pollutant** | NP. |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |
| **Emergency Response Guide Number** | 153 |

**TDG**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Hazard class** | 8 |
| **Packing Group** | II |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |

**MEX**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Hazard class** | 8 |
| **Packing Group** | II |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |

**ICAO**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |

| | |
|---|---|
| **Hazard class** | 8 |
| **Packing Group** | II |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |

**IATA**

| | |
|---|---|
| **UN number** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Transport hazard class(es)** | 8 |
| **Packing Group** | II |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |

**IMDG**

| | |
|---|---|
| **UN number** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Transport hazard class(es)** | 8 |
| **Packing Group** | II |
| **EmS No.** | F-A, S-B |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II, (0°C c.c.) |

**RID**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | AMINES, LIQUID, CORROSIVE, N.O.S. |
| **Transport hazard class(es)** | 8 |
| **Packing Group** | II |
| **Classification Code** | C7 |
| **Description** | UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (N,N-Dimethyl octadecylamine), 8, II |
| **ADR/RID-Labels** | 8 |

**ADR**

| | |
|---|---|
| **UN-No** | UN2735 |
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |
| **Hazard Class** | 8 |
| **Packing Group** | II |
| **Classification Code** | C7 |
| **Tunnel Restriction Code** | (E) |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II, (E) |
| **Labels** | 8 |

**ADN**

| | |
|---|---|
| **Proper Shipping Name** | Amines, liquid, corrosive, n.o.s. |

| | |
|---|---|
| **Transport hazard class(es)** | 8 |
| **Packing Group** | II |
| **Classification Code** | C7 |
| **Special Provisions** | 274 |
| **Description** | UN2735, Amines, liquid, corrosive, n.o.s. (N,N-Dimethyl octadecylamine), 8, II |
| **Hazard label(s)** | 8 |
| **Limited Quantity** | 1 L |
| **Equipment Requirements** | PP, EP |

# Section 15. Regulatory information

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain anychemicals 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**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**VOC content**

This Product does not contain any VOCs

**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)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - | - |

**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 levelpertaining to releases of this material.

| Chemical name | CERCLA/SARA Hazardous Substances | CERCLA/SARA RQ | RQ |
|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - |

**State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

This product does not contain any State Right-to-Know chemicals.

| Chemical name | New Jersey | Massachusetts | Illinois | Rhode Island | Pennsylvania |
|---|---|---|---|---|---|
| N,N-Dimethyl octadecylamine | - | - | - | - | - |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

# Section 16. Other information

**NFPA**

**Health** 2 **Flammability** 0 **Instability** 0 **Physical Hazard** 0




**Notice to reader**

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. ChemGulf LLC shall not be held liable for any damage resulting from handling or from contact with the above product.

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