# Safety Data Sheet

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## SECTION 1: Identification

**1.1. Product identifier**
Hot Rims Wheel and Tire Cleaner Aerosol G2503 [G250320]

**1.2. Recommended use and restrictions on use**

**Recommended use**
Custom Compound

**1.3. Supplier's details**

| | |
|---|---|
| **MANUFACTURER:** | Meguiar's, Inc. |
| **DIVISION:** | Meguiar's |
| **ADDRESS:** | 213 Technology Dr, Irvine, CA 92618 |
| **Telephone:** | 1-800-347-5700 |

**1.4. Emergency telephone number**
CHEMTREC 1-800-424-9300 (24 hours)

## SECTION 2: Hazard identification

**2.1. Hazard classification**
Aerosol Category 1
Skin Corrosion/Irritation: Category 1.
Serious Eye Damage/Irritation: Category 1.
Specific Target Organ Toxicity (single exposure): Category 1.
Specific Target Organ Toxicity (repeated exposure): Category 1.

**2.2. Label elements**
**Signal word**
Danger

**Symbols**

Flame |Corrosion |Health Hazard |

**Pictograms**

**Hazard Statements**
Extremely flammable aerosol.
Pressurized container: may burst if heated.

Causes severe skin burns and eye damage.
Causes damage to organs: cardiovascular system.

Causes damage to organs through prolonged or repeated exposure: respiratory system.

**Precautionary statements**
**General:**
Keep out of reach of children.

**Prevention:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Do not breathe vapor or spray.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, and face protection.

**Response:**
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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 exposed or concerned: Immediately call a POISON CENTER or doctor.
Get medical attention if you feel unwell.
Specific treatment (see Notes to Physician on this label).
Wash contaminated clothing before reuse.

**Storage:**
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).

**Disposal:**
Dispose of contents and container in accordance with applicable local, regional, national, and international regulations.

**Notes to Physician:**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**2.3. Hazards not otherwise classified**
May cause chemical gastrointestinal burns.

1% of the mixture consists of ingredients of unknown acute dermal toxicity.
7% of the mixture consists of ingredients of unknown acute inhalation toxicity.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| BUTANE | 106-97-8 | 3 - 7 Trade Secret * |
| DECYL-N,N-DIMETHYLAMINE OXIDE | 2605-79-0 | 0.5 - 5 Trade Secret * |
| ETHYLENE GLYCOL MONOPROPYL ETHER | 2807-30-9 | 1 - 5 Trade Secret * |
| SODIUM METASILICATE | 6834-92-0 | 1 - 5 Trade Secret * |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 68439-57-6 | 1 - 5 Trade Secret * |
| PROPANE | 74-98-6 | 1 - < 3 Trade Secret * |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | 64-02-8 | 0.5 - 1.5 Trade Secret * |

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

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation:**
Remove person to fresh air. Get medical attention.

**Skin Contact:**
Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

**Eye Contact:**
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

**If Swallowed:**
Rinse mouth. Do not induce vomiting. Get immediate medical attention.

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

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Target organ effects. See Section 11 for additional details. Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

**4.3. Indication of any immediate medical attention and special treatment required**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
Use a fire fighting agent suitable for the surrounding fire.

**5.2. Special hazards arising from the substance or mixture**
Closed containers exposed to heat from fire may build pressure and explode.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|

| | |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Oxides of Nitrogen | During Combustion |
| Oxides of Sulfur | During Combustion |

**5.3. Special protective actions for fire-fighters**
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

**6.2. Environmental precautions**
For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**
Contain spill. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralize spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or spattering. Continue to add neutralizing agent until reaction stops. Let cool before collecting. Or use a commercially available caustic (alkaline or basic) spill clean-up kit. Follow kit directions exactly. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Cover, but do not seal for 48 hours. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

**7.2. Conditions for safe storage including any incompatibilities**
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store away from acids.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|---|---|---|---|---|
| Butane, all isomers | 106-97-8 | ACGIH | STEL:1000 ppm | |
| Natural gas | 106-97-8 | ACGIH | Limit value not established: | simple asphyxiant |
| Butane, all isomers | 74-98-6 | ACGIH | STEL:1000 ppm | |
| PROPANE | 74-98-6 | ACGIH | Limit value not established: | simple asphyxiant |
| PROPANE | 74-98-6 | OSHA | TWA:1800 mg/m3(1000 ppm) | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Full Face Shield
Indirect Vented Goggles

**Skin/hand protection**
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for particulates
Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

# SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid |
| **Specific Physical Form:** | Emulsion |
| **Color** | Colorless |
| **Odor** | Odorless |
| **Odor threshold** | *No Data Available* |
| **pH** | 12 - 13.5 |
| **Melting point/Freezing point** | *No Data Available* |
| **Boiling point/Initial boiling point/Boiling range** | *No Data Available* |
| **Flash Point** | 93.3 ºC |
| **Evaporation rate** | *No Data Available* |
| **Flammability** | Flammable Aerosol: Category 1. |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapor Pressure** | *No Data Available* |
| **Relative Vapor Density** | *No Data Available* |
| **Density** | 1.05 - 1.1 g/ml |
| **Relative Density** | 1.05 - 1.1 |
| **Water solubility** | Complete |
| **Solubility- non-water** | Complete |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *No Data Available* |
| **Decomposition temperature** | *No Data Available* |
| **Kinematic Viscosity** | 0.909 mm2/sec |
| **Volatile Organic Compounds** | 7.9 % |
| **Percent volatile** | *No Data Available* |
| **VOC Less H2O & Exempt Solvents** | *No Data Available* |

| | |
|---|---|
| **Particle Characteristics** | *Not Applicable* |

# SECTION 10: Stability and reactivity

**10.1. Reactivity**
This material is considered to be non reactive under normal use conditions. This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**
Stable.

**10.3. Possibility of hazardous reactions**
Hazardous polymerization will not occur.

**10.4. Conditions to avoid**
Not determined

**10.5. Incompatible materials**
Not determined

**10.6. Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

# SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**11.1. Information on Toxicological effects**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation:**
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

**Skin Contact:**
Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

**Eye Contact:**
Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

**Ingestion:**
Gastrointestinal Corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain; nausea; vomiting; and diarrhea; blood in the feces and/or vomitus may also be seen.

**Additional Health Effects:**

**Single exposure may cause target organ effects:**
Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

**Prolonged or repeated exposure may cause target organ effects:**
Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Inhalation-Dust/Mist(4 hr) | | No data available; calculated ATE >12.5 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |

| | | | |
|---|---|---|---|
| BUTANE | Inhalation-Gas (4 hours) | Rat | LC50 277,000 ppm |
| SODIUM METASILICATE | Dermal | Rabbit | LD50 > 4,640 mg/kg |
| SODIUM METASILICATE | Ingestion | Rat | LD50 500 mg/kg |
| PROPANE | Inhalation-Gas (4 hours) | Rat | LC50 > 200,000 ppm |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Dermal | Rabbit | LD50 1,337 mg/kg |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation-Vapor (4 hours) | Rat | LC50 > 11.1 mg/l |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | Rat | LD50 3,089 mg/kg |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Dermal | Rabbit | LD50 6,300 mg/kg |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 52 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | Rat | LD50 2,079 mg/kg |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 1.5 mg/l |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | Rat | LD50 1,658 mg/kg |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Dermal | Rat | LD50 > 2,000 mg/kg |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | Rat | LD50 >300, <2000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| BUTANE | Professional judgement | No significant irritation |
| SODIUM METASILICATE | Rabbit | Corrosive |
| PROPANE | Rabbit | Minimal irritation |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Guinea pig | Minimal irritation |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Rabbit | Irritant |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Rabbit | No significant irritation |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| BUTANE | Rabbit | No significant irritation |
| SODIUM METASILICATE | In vitro data | Corrosive |
| PROPANE | Rabbit | Mild irritant |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Rabbit | Severe irritant |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Rabbit | Corrosive |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Rabbit | Corrosive |
| DECYL-N,N-DIMETHYLAMINE OXIDE | In vitro data | Corrosive |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| SODIUM METASILICATE | Mouse | Not classified |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Guinea pig | Not classified |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Guinea pig | Not classified |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Human | Not classified |

| | | |
|---|---|---|
| | and animal | |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Guinea pig | Not classified |

**Respiratory Sensitization**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| BUTANE | In Vitro | Not mutagenic |
| SODIUM METASILICATE | In Vitro | Not mutagenic |
| SODIUM METASILICATE | In vivo | Not mutagenic |
| PROPANE | In Vitro | Not mutagenic |
| ETHYLENE GLYCOL MONOPROPYL ETHER | In Vitro | Not mutagenic |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | In Vitro | Not mutagenic |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | In vivo | Some positive data exist, but the data are not sufficient for classification |
| DECYL-N,N-DIMETHYLAMINE OXIDE | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | Rat | Not carcinogenic |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | Multiple animal species | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|
| SODIUM METASILICATE | Ingestion | Not classified for development | Mouse | NOAEL 200 mg/kg/day | during gestation |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | Not classified for development | Rat | NOAEL 1.7 mg/l | during organogenesis |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | Not classified for development | Mouse | NOAEL 2 mg/kg/day | during organogenesis |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | Not classified for female reproduction | Rat | NOAEL 250 mg/kg/day | 4 generation |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | Not classified for male reproduction | Rat | NOAEL 250 mg/kg/day | 4 generation |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | Not classified for development | Rat | LOAEL 1,000 mg/kg/day | during gestation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| BUTANE | Inhalation | cardiac sensitization | Causes damage to organs | Human | NOAEL Not available | |
| BUTANE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| BUTANE | Inhalation | heart | Not classified | Dog | NOAEL 5,000 ppm | 25 minutes |

| | | | | | | |
|---|---|---|---|---|---|---|
| BUTANE | Inhalation | respiratory irritation | Not classified | Rabbit | NOAEL Not available | |
| SODIUM METASILICATE | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| PROPANE | Inhalation | cardiac sensitization | Causes damage to organs | Human | NOAEL Not available | |
| PROPANE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| PROPANE | Inhalation | respiratory irritation | Not classified | Human | NOAEL Not available | |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| BUTANE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4,489 ppm | 90 days |
| BUTANE | Inhalation | blood | Not classified | Rat | NOAEL 4,489 ppm | 90 days |
| SODIUM METASILICATE | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Dog | LOAEL 2,400 mg/kg/day | 4 weeks |
| SODIUM METASILICATE | Ingestion | endocrine system | Not classified | Rat | NOAEL 804 mg/kg/day | 3 months |
| SODIUM METASILICATE | Ingestion | blood | Not classified | Rat | NOAEL 804 mg/kg/day | 3 months |
| SODIUM METASILICATE | Ingestion | heart | Not classified | Rat | NOAEL 1,259 mg/kg/day | 8 weeks |
| SODIUM METASILICATE | Ingestion | liver | Not classified | Rat | NOAEL 1,259 mg/kg/day | 8 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | heart | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 0.4 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | endocrine system | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | liver | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | immune system | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | nervous system | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Inhalation | eyes | Not classified | Rat | NOAEL 1.7 mg/l | 14 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 780 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 390 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 195 mg/kg/day | 6 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | heart | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | liver | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | endocrine system | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | immune system | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | nervous system | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | eyes | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| ETHYLENE GLYCOL MONOPROPYL ETHER | Ingestion | respiratory system | Not classified | Rat | NOAEL 1,560 mg/kg/day | 6 weeks |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | endocrine system | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | liver | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | immune system | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | eyes | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 195 mg/kg/day | 2 years |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | NOAEL 0.003 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | liver | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | heart | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | skin | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | endocrine system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | gastrointestinal tract | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | bone, teeth, nails, and/or hair | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | immune system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETE | Inhalation | muscles | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| TRAACETATE | | | | | | |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | nervous system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | eyes | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | vascular system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | liver | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | heart | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | muscles | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | respiratory system | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Dermal | skin | Not classified | Mouse | NOAEL 1.33 mg/application | 91 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | eyes | Some positive data exist, but the data are not sufficient for classification | similar compounds | NOAEL 88 mg/kg/day | 90 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 300 mg/kg/day | 14 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 300 mg/kg/day | 14 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | liver | Not classified | Rat | NOAEL 300 mg/kg/day | 14 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | immune system | Not classified | Rat | NOAEL 300 mg/kg/day | 14 days |
| DECYL-N,N-DIMETHYLAMINE OXIDE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 300 mg/kg/day | 14 days |

**Aspiration Hazard**
For the component/components, either no data are currently available or the data are not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

## SECTION 12: Ecological information

### Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

### Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

## SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

Contact manufacturer for more information

**EPCRA 311/312 Hazard Classifications:**

| Physical Hazards |
|---|
| Flammable (gases, aerosols, liquids, or solids) |

| Health Hazards |
|---|
| Hazard Not Otherwise Classified (HNOC) |
| Serious eye damage or eye irritation |
| Skin Corrosion or Irritation |
| Specific target organ toxicity (single or repeated exposure) |

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| Ingredient | C.A.S. No | % by Wt |
|---|---|---|
| ETHYLENE GLYCOL MONOPROPYL ETHER | 2807-30-9 | Trade Secret 1 - 5 |

### 15.2. State Regulations

Contact manufacturer for more information

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact manufacturer for more information

### 15.4. International Regulations

Contact manufacturer for more information

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

**NFPA Hazard Classification**
**Health:** 3 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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|---|---|---|---|
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