



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

SECTION 1: Identification

1.1. Product identifier

3M™ Stainless Steel Cleaner & Polish

Product Identification Numbers

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| FN-5100-3744-6 | FS-9100-2648-3 | FS-9100-2649-1 | FS-9100-2649-3 | FZ-0100-0672-9 |
| FZ-0100-0673-7 | GT-5000-7395-9 | 61-5000-6132-2 | 70-0713-1355-8 | 70-0713-1493-7 |
| AN-0105-5780-7 | LN-0000-8210-3 | MS-9001-0547-1 | RN-0009-4013-0 | UU-0092-2904-6 |
| UU-0092-3405-3 | UU-0116-2893-8 | XA-0065-3061-3 | XA-0092-1851-3 | XE-0008-0101-1 |
| XF-6001-4725-0 | XF-6001-4730-0 | XN-0005-1390-5 | XN-0042-2614-0 | XN-0042-4273-3 |
| XN-0042-4289-9 | XN-1015-5591-2 | XN-1015-7536-5 | XT-0033-1643-4 | |

1.2. Recommended use and restrictions on use

Intended Use

Metal Polish

Specific Use

Cleans and polishes stainless steel, chrome, aluminum and laminated plastic surfaces.

Restrictions on use

Not applicable

1.3. Supplier's details

| | |
|-------------------|--|
| Company: | 3M Canada Company |
| Division: | Commercial Branding and Transportation Division |
| Address: | 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1 |
| Telephone: | (800) 364-3577 |
| Website: | www.3M.ca |

1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1800 364 3577

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Aerosol: Category 1.

Specific Target Organ Toxicity (single exposure): Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Flame | Health Hazard |

Pictograms



Hazard Statements

Extremely flammable aerosol. Pressurized container: may burst if heated.

Causes damage to organs: cardiovascular system.

Precautionary statements

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.

Response:

IF exposed or concerned: Call a POISON CENTER or doctor.

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.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|-----------------|--------------|------------------------|--------------------------------------|
| Water | 7732-18-5 | 40 - 70 | Water |
| Mineral Oil | 8042-47-5 | 10 - 30 Trade Secret * | White mineral oil (petroleum) |
| ISOBUTANE | 75-28-5 | 7 - 13 Trade Secret * | Propane, 2-methyl- |
| SORBITAN OLEATE | 1338-43-8 | 0.5 - 1.5 | Sorbitan, mono-9-octadecenoate, (Z)- |
| Fragrance | Trade Secret | < 1 | Not Applicable |
| Ethanolamine | 141-43-5 | < 0.5 | Ethanol, 2-amino- |

*The concentration (exact or range) of this component 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:

Wash with soap and water. If you feel unwell, get medical attention.

Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

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

Target organ effects. 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. Unsuitable extinguishing media

None Determined

5.3. 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

Carbon monoxide

Carbon dioxide

Condition

During Combustion

During Combustion

5.4. Special protection actions for fire-fighters

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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. 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 vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. 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 closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. 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 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/vapours/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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C). Store away from heat. Store away from acids. Store away from oxidizing agents. Store locked up.

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 |
|-----------------------------------|------------|--------|---------------------------------|---------------------|
| Ethanolamine | 141-43-5 | ACGIH | TWA:3 ppm;STEL:6 ppm | |
| ISOBUTANE | 75-28-5 | ACGIH | STEL:1000 ppm | |
| Natural gas | 75-28-5 | ACGIH | Limit value not established: | simple asphyxiant |
| MINERAL OILS, HIGHLY-REFINED OILS | 8042-47-5 | ACGIH | TWA(inhalable fraction):5 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

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/vapours/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

No chemical protective gloves are required.

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 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: | Aerosol |
| Colour | White |
| Odour | Mild Citrus |
| Odour threshold | No Data Available |
| pH | 9 - 11 |
| Melting point/Freezing point | Not Applicable |
| Boiling point | > 100 °C |
| Flash Point | No flash point |
| Evaporation rate | No Data Available |
| Flammability | Flammable Aerosol: Category 1. |
| Flammable Limits(LEL) | No Data Available |
| Flammable Limits(UEL) | No Data Available |
| Relative Vapour Density | No Data Available |
| Density | 0.95 g/ml |
| Relative density | 0.92 - 0.98 [Ref Std: WATER=1] |
| Water solubility | Complete |
| Solubility- non-water | No Data Available |
| Partition coefficient: n-octanol/ water | No Data Available |
| Autoignition temperature | No Data Available |
| Decomposition temperature | No Data Available |
| Kinematic Viscosity | 3,053 mm ² /sec |
| Volatile Organic Compounds | 10 - 12 % weight [Test Method:calculated per CARB title 2] |
| Percent volatile | 75 - 80 % weight |
| VOC Less H ₂ O & Exempt Solvents | 265 - 295 g/l [Test Method:calculated per CARB title 2] |
| Molecular weight | No Data Available |

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

SECTION 10: Stability and reactivity

10.1. Reactivity

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

Heat

Sparks and/or flames

10.5. Incompatible materials

Strong oxidizing agents

Strong acids

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 regulatory 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:

May cause additional health effects (see below).

Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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.

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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Mineral Oil | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Mineral Oil | Ingestion | Rat | LD50 > 5,000 mg/kg |
| ISOBUTANE | Inhalation-Gas (4 hours) | Rat | LC50 276,000 ppm |
| SORBITAN OLEATE | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| SORBITAN OLEATE | Ingestion | Rat | LD50 > 39,800 mg/kg |
| Ethanolamine | Inhalation-Vapor | official classification | LC50 estimated to be 10 - 20 mg/l |
| Ethanolamine | Dermal | Rabbit | LD50 2,504 mg/kg |
| Ethanolamine | Ingestion | Rat | LD50 1,089 mg/kg |
| Fragrance | Dermal | Rat | LD50 > 2,000 mg/kg |
| Fragrance | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.04 mg/l |
| Fragrance | Ingestion | Rat | LD50 > 2,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------|------------------------|---------------------------|
| Mineral Oil | Rabbit | No significant irritation |
| ISOBUTANE | Professional judgement | No significant irritation |
| Ethanolamine | Rabbit | Corrosive |
| Fragrance | In vitro data | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------|------------------------|---------------------------|
| Mineral Oil | Rabbit | Mild irritant |
| ISOBUTANE | Professional judgement | No significant irritation |
| Ethanolamine | Rabbit | Corrosive |
| Fragrance | In vitro data | No significant irritation |

Skin Sensitization

| Name | Species | Value |
|--------------|------------|----------------|
| Mineral Oil | Guinea pig | Not classified |
| Ethanolamine | Guinea pig | Not classified |
| Fragrance | Guinea pig | Not classified |

Photosensitization

| Name | Species | Value |
|-----------|------------|-----------------|
| Fragrance | Guinea pig | Not sensitizing |

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 |
|--------------|----------|---------------|
| Mineral Oil | In Vitro | Not mutagenic |
| ISOBUTANE | In Vitro | Not mutagenic |
| Ethanolamine | In Vitro | Not mutagenic |
| Ethanolamine | In vivo | Not mutagenic |
| Fragrance | In Vitro | Not mutagenic |
| Fragrance | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|-------------|------------|-------------------------|------------------|
| Mineral Oil | Dermal | Mouse | Not carcinogenic |
| Mineral Oil | Inhalation | Multiple animal species | Not carcinogenic |

Reproductive Toxicity**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|--------------|-----------|--|---------|-----------------------|----------------------|
| Mineral Oil | Ingestion | Not classified for female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Mineral Oil | Ingestion | Not classified for male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Mineral Oil | Ingestion | Not classified for development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| Ethanolamine | Dermal | Not classified for development | Rat | NOAEL 225 mg/kg/day | during organogenesis |
| Ethanolamine | Ingestion | Not classified for development | Rat | NOAEL 450 mg/kg/day | during organogenesis |
| Fragrance | Ingestion | Not classified for female reproduction | Rat | NOAEL 92 mg/kg/day | 2 generation |
| Fragrance | Ingestion | Not classified for male reproduction | Rat | NOAEL 94 mg/kg/day | 2 generation |
| Fragrance | Ingestion | Not classified for development | Rat | NOAEL 150 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 |
|--------------|------------|-----------------------------------|-----------------------------------|-------------------------|---------------------|-------------------|
| ISOBUTANE | Inhalation | cardiac sensitization | Causes damage to organs | Multiple animal species | NOAEL Not available | |
| ISOBUTANE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| ISOBUTANE | Inhalation | respiratory irritation | Not classified | Mouse | NOAEL Not available | |
| Ethanolamine | Inhalation | respiratory irritation | May cause respiratory irritation | Human and animal | NOAEL Not available | |
| Fragrance | Dermal | photoirritation | Not classified | Multiple animal | NOAEL Not Available | |

| | | | | | | |
|--|--|--|--|---------|--|--|
| | | | | species | | |
|--|--|--|--|---------|--|--|

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--------------|------------|--|----------------|---------|-----------------------|-------------------|
| Mineral Oil | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| Mineral Oil | Ingestion | liver immune system | Not classified | Rat | NOAEL 1,336 mg/kg/day | 90 days |
| ISOBUTANE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4,500 ppm | 13 weeks |
| Ethanolamine | Inhalation | hematopoietic system liver | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| Ethanolamine | Inhalation | respiratory system | Not classified | Rat | LOAEL 0.0102 mg/l | 28 days |
| Ethanolamine | Inhalation | heart endocrine system immune system nervous system eyes kidney and/or bladder | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| Ethanolamine | Ingestion | hematopoietic system liver kidney and/or bladder respiratory system | Not classified | Rat | NOAEL Not available | |
| Fragrance | Ingestion | heart skin endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory system vascular system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |

Aspiration Hazard

| Name | Value |
|-------------|-------------------|
| Mineral Oil | Aspiration hazard |

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

No data available.

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. Facility must be capable of handling aerosol cans.

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. Safety, health and environmental regulations/legislation specific for the substance or mixture****Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. 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.

SECTION 16: Other information

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.

Health: 2 Flammability: 4 Instability: 0 Special Hazards: None
Aerosol Storage Code: 1

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.

HMIS Hazard Classification

Health: 4 Flammability: 4 Physical Hazard: 0 Personal Protection: X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M Canada SDSs are available at www.3M.ca