



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Stainless Steel Cleaner & Polish

#### Product Identification Numbers

61-5000-6132-2, 70-0713-1355-8, 70-0713-1493-7

#### 1.2. Recommended use and restrictions on use

##### Recommended use

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

#### 1.3. Supplier's details

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Commercial Solutions Division           |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)         |

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Flammable Aerosol: Category 1.

Gas Under Pressure: Liquefied gas.

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

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Flame | Gas cylinder | Health Hazard |

##### Pictograms

**Hazard Statements**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.

Causes damage to organs:  
cardiovascular system |

**Precautionary Statements****General:**

Keep out of reach of children.

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.

**Response:**

IF exposed: Call a POISON CENTER or doctor/physician.  
Specific treatment (see Notes to Physician on this label).

**Storage:**

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.  
Store in a well-ventilated place.  
Store locked up.

**Disposal:**

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

**Notes to Physician:**

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

11% of the mixture consists of ingredients of unknown acute dermal toxicity.  
35% of the mixture consists of ingredients of unknown acute inhalation toxicity.

**SECTION 3: Composition/information on ingredients**

| Ingredient                    | C.A.S. No. | % by Wt                  |
|-------------------------------|------------|--------------------------|
| WATER                         | 7732-18-5  | 40 - 70 Trade Secret *   |
| WHITE MINERAL OIL (PETROLEUM) | 8042-47-5  | 10 - 30 Trade Secret *   |
| ISOBUTANE                     | 75-28-5    | 7 - 13 Trade Secret *    |
| SORBITAN OLEATE               | 1338-43-8  | 0.5 - 1.5 Trade Secret * |
| ETHANOLAMINE                  | 141-43-5   | 0.1 - 1 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:**

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

See Section 11.1. Information on toxicological effects.

### 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**

Carbon monoxide

Carbon dioxide

**Condition**

During Combustion

During Combustion

### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

## 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 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 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. 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 50C/122F. Protect from sunlight. Store in a well-ventilated place. Store away from heat. Store away from acids. Store away from oxidizing agents.

## 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            |                                |
| ETHANOLAMINE                      | 141-43-5   | OSHA   | TWA:6 mg/m3(3 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 | A4: Not class. as human carcin |
| Paraffin oil                      | 8042-47-5  | OSHA   | TWA(as mist):5 mg/m3            |                                |

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

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 air-purifying respirator suitable for organic vapors and particulates

Half facepiece or full facepiece supplied-air respirator

Organic vapor respirators may have short service life.

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

|                                                |                                                            |
|------------------------------------------------|------------------------------------------------------------|
| <b>General Physical Form:</b>                  | Liquid                                                     |
| <b>Specific Physical Form:</b>                 | Aerosol                                                    |
| <b>Odor, Color, Grade:</b>                     | Thick white emulsion citrus odor                           |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                                   |
| <b>pH</b>                                      | 9 - 11                                                     |
| <b>Melting point</b>                           | <i>Not Applicable</i>                                      |
| <b>Boiling Point</b>                           | > 212 °F                                                   |
| <b>Flash Point</b>                             | <i>Not Applicable</i>                                      |
| <b>Flash Point</b>                             | No flash point                                             |
| <b>Evaporation rate</b>                        | <i>No Data Available</i>                                   |
| <b>Flammability (solid, gas)</b>               | Not Applicable                                             |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>                                   |
| <b>Flammable Limits(UEL)</b>                   | <i>No Data Available</i>                                   |
| <b>Vapor Pressure</b>                          | <i>No Data Available</i>                                   |
| <b>Vapor Density</b>                           | <i>No Data Available</i>                                   |
| <b>Density</b>                                 | 0.95 g/ml                                                  |
| <b>Specific Gravity</b>                        | 0.92 - 0.98 [Ref Std: WATER=1]                             |
| <b>Solubility in Water</b>                     | Complete                                                   |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                                   |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                                   |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                                   |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                                   |
| <b>Viscosity</b>                               | 1,400 - 4,500 centipoise [Details:For Liquid]              |
| <b>Molecular weight</b>                        | <i>No Data Available</i>                                   |
| <b>Volatile Organic Compounds</b>              | 10 - 12 % weight [Test Method:calculated per CARB title 2] |
| <b>Percent volatile</b>                        | 75 - 80 % weight                                           |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | 265 - 295 g/l [Test Method:calculated per CARB title 2]    |

## 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 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:**

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               | 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 |
| WHITE MINERAL OIL (PETROLEUM) | Dermal                     | Rabbit                  | LD50 > 2,000 mg/kg                             |
| WHITE MINERAL OIL (PETROLEUM) | 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 1,000 mg/kg                               |
| ETHANOLAMINE                  | Ingestion                  | Rat                     | LD50 1,720 mg/kg                               |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                          | Species                | Value                     |
|-------------------------------|------------------------|---------------------------|
| WHITE MINERAL OIL (PETROLEUM) | Rabbit                 | No significant irritation |
| ISOBUTANE                     | Professional judgement | No significant irritation |
| ETHANOLAMINE                  | Rabbit                 | Corrosive                 |

### Serious Eye Damage/Irritation

| Name                          | Species                | Value                     |
|-------------------------------|------------------------|---------------------------|
| WHITE MINERAL OIL (PETROLEUM) | Rabbit                 | Mild irritant             |
| ISOBUTANE                     | Professional judgement | No significant irritation |
| ETHANOLAMINE                  | Rabbit                 | Corrosive                 |

### Skin Sensitization

| Name                          | Species    | Value          |
|-------------------------------|------------|----------------|
| WHITE MINERAL OIL (PETROLEUM) | Guinea pig | Not classified |
| ETHANOLAMINE                  | 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         |
|-------------------------------|----------|---------------|
| WHITE MINERAL OIL (PETROLEUM) | In Vitro | Not mutagenic |
| ISOBUTANE                     | In Vitro | Not mutagenic |
| ETHANOLAMINE                  | In Vitro | Not mutagenic |
| ETHANOLAMINE                  | In vivo  | Not mutagenic |

**Carcinogenicity**

| Name                          | Route      | Species                 | Value            |
|-------------------------------|------------|-------------------------|------------------|
| WHITE MINERAL OIL (PETROLEUM) | Dermal     | Mouse                   | Not carcinogenic |
| WHITE MINERAL OIL (PETROLEUM) | Inhalation | Multiple animal species | Not carcinogenic |

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

| Name                          | Route     | Value                                  | Species | Test Result           | Exposure Duration    |
|-------------------------------|-----------|----------------------------------------|---------|-----------------------|----------------------|
| WHITE MINERAL OIL (PETROLEUM) | Ingestion | Not classified for female reproduction | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks             |
| WHITE MINERAL OIL (PETROLEUM) | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks             |
| WHITE MINERAL OIL (PETROLEUM) | 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 616 mg/kg/day   | during organogenesis |

**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 |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                          | Route      | Target Organ(s)                                                           | Value          | Species                 | Test Result           | Exposure Duration |
|-------------------------------|------------|---------------------------------------------------------------------------|----------------|-------------------------|-----------------------|-------------------|
| WHITE MINERAL OIL (PETROLEUM) | Ingestion  | hematopoietic system                                                      | Not classified | Rat                     | NOAEL 1,381 mg/kg/day | 90 days           |
| WHITE MINERAL OIL (PETROLEUM) | 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 | liver   kidney and/or bladder   respiratory system                        | Not classified | Multiple animal species | NOAEL 0.656 mg/l      | 5 weeks           |
| ETHANOLAMINE                  | Ingestion  | hematopoietic system   liver   kidney and/or bladder   respiratory system | Not classified | Rat                     | NOAEL Not available   |                   |

**Aspiration Hazard**



| Name                          | Value             |
|-------------------------------|-------------------|
| WHITE MINERAL OIL (PETROLEUM) | 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

### 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. Facility must be capable of handling aerosol cans.

EPA Hazardous Waste Number (RCRA): Not regulated

## 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

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Flammable (gases, aerosols, liquids, or solids)

Gas under pressure

##### Health Hazards

Specific target organ toxicity (single or repeated exposure)

### 15.2. State Regulations

#### California Proposition 65

##### Ingredient

Cadmium

Cadmium

Cadmium

Lead

Lead

##### C.A.S. No.

None

None

None

None

None

##### Listing

Male reproductive toxin

Carcinogen

Developmental Toxin

Female reproductive toxin

Male reproductive toxin

|                                 |      |                           |
|---------------------------------|------|---------------------------|
| Lead                            | None | Carcinogen                |
| Lead                            | None | Developmental Toxin       |
| Mercury                         | None | Developmental Toxin       |
| Nickel                          | None | Carcinogen                |
| CHROMIUM (HEXAVALENT COMPOUNDS) | None | Female reproductive toxin |
| CHROMIUM (HEXAVALENT COMPOUNDS) | None | Male reproductive toxin   |
| CHROMIUM (HEXAVALENT COMPOUNDS) | None | Carcinogen                |
| CHROMIUM (HEXAVALENT COMPOUNDS) | None | Developmental Toxin       |

### 15.3. Chemical Inventories

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 product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical 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 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 chemical notification requirements of TSCA.

This product complies with the New Zealand Hazardous Substances and New Organisms Act (1996).

### 15.4. International Regulations

**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: 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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