Material Safety Data Sheet

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3M Brand STAINLESS STEEL CLEANER & POLISH
Manufacturer: 3M
Division: Building & Commercial Services Division
Address: 3M Center, St. Paul, MN 55144-1000

Issue Date: 04/25/12
Supercedes Date: 10/04/11
Document Group: 10-2819-0

Product Use:
Intended Use: Metal Polish
Specific Use: Cleans and polishes stainless steel, chrome, aluminum and laminated plastic surfaces.

SECTION 2: INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>40 - 70</td>
</tr>
<tr>
<td>WHITE MINERAL OIL (PETROLEUM)</td>
<td>8042-47-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>75-28-5</td>
<td>7 - 13</td>
</tr>
<tr>
<td>SORBITAN OLEATE</td>
<td>1338-43-8</td>
<td>0.5 - 1.5</td>
</tr>
<tr>
<td>ETHANOLAMINE</td>
<td>141-43-5</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Aerosol
Odor, Color, Grade: Thick white emulsion citrus odor
General Physical Form: Liquid
Immediate health, physical, and environmental hazards: Aerosol container contains flammable gas under pressure. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause target organ effects.
3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:
Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Inhalation:
Intentional concentration and inhalation may be harmful or fatal.

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

May be absorbed following inhalation and cause target organ effects.

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

Target Organ Effects:
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact:  Flush eyes with large amounts of water.  If signs/symptoms persist, get medical attention.
Skin Contact:  Remove contaminated clothing and shoes.  Immediately flush skin with large amounts of water.  Get medical attention. Wash contaminated clothing and clean shoes before reuse.
Inhalation:  Remove person to fresh air.  Get immediate medical attention.
If Swallowed:  Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water.  Never give anything by mouth to an unconscious person.  Get medical attention.

4.2 NOTE TO PHYSICIANS

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

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoignition temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No flash point</td>
</tr>
<tr>
<td>Flammable Limits(LEL)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flammable Limits(UEL)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>OSHA Flammability Classification</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

5.2 EXTINGUISHING MEDIA

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).
5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Aerosol container contains flammable material under pressure. Vapors may travel long distances along the ground or floor to an ignition source and flash back. (AEROSOL STORAGE level indicated below is based on NFPA 30B definition) Classified as Div 2.2 nonflammable aerosol based on the results of flame projection testing according to ASTM D3065.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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. Close cylinder. If the cylinder can't be closed, place in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors.

6.2 Environmental precautions
For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods
Observe precautions from other sections. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. 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. Collect as much of the spilled material as possible. Clean up residue with detergent and water.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not pierce or burn container, even after use. Do not spray near flames or sources of ignition. Avoid breathing of vapors, mists or spray. Aerosol container contains flammable gas under pressure. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. Avoid contact with oxidizing agents. Avoid skin contact. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

7.2 STORAGE
Store away from acids. Store away from heat. Store out of direct sunlight. Do not store containers on their sides. Store away from oxidizing agents.
8.1 ENGINEERING CONTROLS
Use in a well-ventilated area. If exhaust ventilation is not available, use appropriate respiratory protection. Do not remain in area where available oxygen may be reduced.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection
Avoid eye contact with vapors, mists, or spray. The following eye protection(s) are recommended: Safety Glasses with side shields

8.2.2 Skin Protection
Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Neoprene, Nitrile Rubber

8.2.3 Respiratory Protection
Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

8.2.4 Prevention of Swallowing
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Authority</th>
<th>Type</th>
<th>Limit</th>
<th>Additional Information</th>
</tr>
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<tbody>
<tr>
<td>ETHANOLAMINE</td>
<td>ACGIH</td>
<td>TWA</td>
<td>3 ppm</td>
<td></td>
</tr>
<tr>
<td>ETHANOLAMINE</td>
<td>ACGIH</td>
<td>STEL</td>
<td>6 ppm</td>
<td></td>
</tr>
<tr>
<td>ETHANOLAMINE</td>
<td>OSHA</td>
<td>TWA</td>
<td>6 mg/m3</td>
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<tr>
<td>WHITE MINERAL OIL (PETROLEUM)</td>
<td>CMRG</td>
<td>TWA</td>
<td>5 mg/m3</td>
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<tr>
<td>WHITE MINERAL OIL (PETROLEUM)</td>
<td>CMRG</td>
<td>STEL</td>
<td>10 mg/m3</td>
<td></td>
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</tbody>
</table>

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Specific Physical Form:                  | Aerosol                           |
| Odor, Color, Grade:                     | Thick white emulsion citrus odor  |
| General Physical Form:                  | Liquid                            |
| Autoignition temperature                | No Data Available                 |
| Flash Point                             | No flash point                    |
| Flammable Limits(LEL)                   | No Data Available                 |
| Flammable Limits(UEL)                   | No Data Available                 |
| Boiling Point                           | Approximately 212 °F             |
### Density
Approximately 0.95 g/ml

### Vapor Density
No Data Available

### Vapor Pressure
No Data Available

### Specific Gravity
Approximately 1 [Ref Std: WATER=1]

### pH
9 - 11

### Melting point
No Data Available

### Solubility In Water
No Data Available

### Solubility in Water
Complete

### Evaporation rate
No Data Available

### Volatile Organic Compounds
7 - 13 % [Test Method: calculated per CARB title 2]

### Kow - Oct/Water partition coef
No Data Available

### Percent volatile
45 - 85 %

### VOC Less H2O & Exempt Solvents
170 - 330 g/l [Test Method: calculated per CARB title 2]

### Viscosity
< 4500 centipoise [Details: For Liquid]

## SECTION 10: STABILITY AND REACTIVITY

### Stability:
Stable.

### Materials and Conditions to Avoid:

#### 10.1 Conditions to avoid
- Heat
- Sparks and/or flames

#### 10.2 Materials to avoid
- Strong oxidizing agents
- Strong acids

### Hazardous Polymerization:
Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>During Combustion</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>During Combustion</td>
</tr>
</tbody>
</table>

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.
CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in an industrial or commercial facility. Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Empty aerosol cans may be recycled where facilities exist.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>ID Number</th>
<th>UPC</th>
<th>ID Number</th>
<th>UPC</th>
</tr>
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<tr>
<td>61-5000-6132-2</td>
<td>000-48011-14002-0</td>
<td>70-0708-4135-1</td>
<td>031-34375-35244-9</td>
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<tr>
<td>70-0711-3340-2</td>
<td>000-48011-34736-3</td>
<td>70-0711-3341-0</td>
<td>000-48011-34737-0</td>
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<tr>
<td>70-0713-1355-8</td>
<td>000-48011-59158-2</td>
<td>70-0713-1493-7</td>
<td>000-48011-59249-7</td>
</tr>
</tbody>
</table>

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

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

311/312 Hazard Categories:
Fire Hazard - No  Pressure Hazard - Yes  Reactivity Hazard - No  Immediate Hazard - Yes  Delayed Hazard - No

STATE REGULATIONS

CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. The components of this material are in compliance with the new chemical notification requirements for the Korean Existing Chemicals Inventory.

The components of this product are listed on the Australian Inventory of Chemical Substances.

The components of this product are listed on Japan's Chemical Substance Control Law List (also known as the Existing and New Chemical Substances List.)

All the components of this product are listed on China's Inventory of Chemical Substances.

The components of this product are in compliance with notification requirements in the Philippines.

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

The components of this product are listed on the Canadian Domestic Substances List.
INTERNATIONAL REGULATIONS

This MSDS 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: 0  Reactivity: 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: 2  Flammability: 0  Reactivity: 0  Protection: X - See PPE section.

Hazardous Material Identification System (HMIS®) 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® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

Reason for Reissue: Add new stock number 70-0712-7966-8

Revision Changes:
Section 15: Inventories information was modified.
Section 2: Ingredient table was modified.
Section 8: Exposure guidelines ingredient information was modified.
Copyright was modified.

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