

3M Canada Company
 1840 Oxford Street East, Post Office Box 5757
 London, Ontario N6A 4T1
 Medical Emergency Telephone: (519) 451-2500, Ext. 2222
 Transportation Emergency Telephone (CANUTEC): (613) 996-6666

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Material Safety Data Sheet

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Prepared by: Corporate Regulatory Services, 3M Canada Company
 Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M BRAND STAINLESS STEEL CLEANER & POLISH

Product ID:

FN-5100-3744-6	XN-1015-7536-5	XN-1015-7228-9	XN-1015-6408-8
XN-1015-5591-2	FS-9100-2648-3	FS-9100-2649-1	FS-9100-2649-3
FZ-0100-0672-9	FZ-0100-0673-7	61-5000-0318-3	61-5000-0869-5
61-5000-6132-2	61-5001-0835-4	70-0708-4135-1	70-0708-4270-6
70-0709-7689-2	96-0000-0064-4	70-0709-9788-0	70-0709-9789-8
70-0711-3340-2	70-0711-3341-0	70-0712-7966-8	70-0713-1355-8
70-0713-1493-7	RN-0009-4013-0	XE-0008-0101-1	

Intended Use of Product:

Stainless Steel Cleaner and Polish

Division:

BUILDING & COMMERCIAL SERVICES

2 Hazards Identification

Critical Hazards:

Aerosol container contains flammable gas under pressure.
 See Sections 7 and 11 for further information.

 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	40 - 70
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	10 - 30
ISOBUTANE	75-28-5	7 - 13
SORBITAN OLEATE	1338-43-8	0.5 - 1.5
ETHANOLAMINE	141-43-5	0.1 - 1.0

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

 4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for Skin Contact:

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

Instructions for Inhalation:

Remove person to fresh air. Get medical attention.

Instructions for Ingestion:

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

Special Instructions:

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

 5 Fire Fighting Measures

Flash point: No Flash Point

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

Autoignition temperature: Not Available

Suitable Extinguishing Media:

No data available.

Exposure Hazards during Fire:

Aerosol container contains flammable gas under pressure.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Unusual Fire and Explosion Hazards

Closed containers exposed to heat from fire may build pressure and explode.

Fire Fighting Procedures:

No unusual fire or explosion hazards are anticipated. Evacuate

area.
 NFPA: Health 3
 NFPA: Fire 3
 NFPA: Reactivity 0
 NFPA: Unusual Reaction Hazard
 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.

Special Instructions:

Aerosol container contains flammable material under pressure.

6 Accidental Release Measures

Personal Precautions:

Ventilate the area with fresh air. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental Procedures

Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for 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.

7 Handling and Storage

Storage Requirements:

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

Incompatible Materials:

Store away from heat;
 Sparks and/or Flames;

Store away from acids;
Store away from oxidizing agents.

Ventilation:

Do not use in a confined area or areas with little or no air movement.

Fire Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source. Use only non-sparking tools.

Explosion Prevention:

Pressurized container: Do not pierce or burn, even after use. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Use Instructions:

Keep out of reach of children. 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 release to the environment.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Safety glasses with side shields

Hand Protection:

The following glove material(s) are recommended:
nitrile rubber;

Skin Protection:

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. Skin protection is not required.

Respiratory Protection:

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Ingestion (Prevention):

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No data available.

Recommended Ventilation:

Do not remain in area where available oxygen may be reduced. 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.

Ingredient Exposure Data

WATER (7732-18-5)

LD50 (rat, oral) > 90 ml/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

WHITE MINERAL OIL (PETROLEUM) (8042-47-5)
 Specific Ingredient Data
 No data available.

LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH-TWA: 5 mg/m3 inhalable fraction; Category: MINERAL OILS,
 HIGHLY-REFINED OILS;
 CMRG: TWA 5 mg/m3
 CMRG: STEL 10 mg/m3

ISOBUTANE (75-28-5)
 Specific Ingredient Data
 No data available.

LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH: STEL 1000 ppm

SORBITAN OLEATE (1338-43-8)
 Specific Ingredient Data
 No data available.

LD50 (rat, oral) 39.8 g/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

ETHANOLAMINE (141-43-5)
 LD50 (rat, oral) 1720 mg/kg
 LD50 (dermal, rabbit) 1 ml/kg (1018 mg/kg)
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH: TWA 3 ppm
 ACGIH: TWA 7.5 mg/m3
 ACGIH: STEL 6 ppm
 ACGIH: STEL 15 mg/m3
 6 ppm ACGIH: STEL 3 ppm ACGIH: TWA

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; Aerosol; thick; White; Emulsion; citrus odour;
Odour Threshold:	No data available.
pH:	9 - 11
Boiling point/boiling range:	Approximately 100 C
Melting point/melting range:	Not Available
Vapour pressure:	Not Available
Water Solubility:	Complete
Partition coefficient (K o/w):	Not Available
Specific gravity:	0.92 - 0.98 Water=1

Vapour density:	Not Available
Volatile organic compounds:	10 - 12 % by weight CARB
Evaporation rate:	Not Available
Viscosity:	1,400 - 4,500 centipoise Liquid portion
Percent Volatile:	75 - 80 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Heat;
Sparks and/or Flames;

Materials to Avoid:

Strong acids;
Strong oxidizing agents;

Hazardous Decomposition:

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur. This material is considered to be non reactive under normal use conditions.

11 Toxicological Information

Effects from Eye Contact:

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

Effects from Skin Contact:

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

Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and

throat pain.

Effects from Ingestion:

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

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

Cardiac Sensitization: Signs/symptoms may include irregular

heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

12 Ecological Information

Environmental Data:
Ecotoxicity Data:
 No data available.
Ecofate Data:

13 Disposal Considerations

Product as Sold:
 No data available.
Product Packaging:
 No data available.
Special Instructions:
 Since regulations vary, consult applicable regulations or
 authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification: Consumer Commodity
Special Information:

15 Regulatory Information

WHMIS Classification: A, B5, Exempt (Consumer
 Product)

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- AICS - Australian Inventory of Chemical Substances
- DSL - Domestic Substances List (Canada)
- KECI - Korean Existing Chemicals Inventory
- TSCA - Toxic Substances Control Act (USA)
- PICCS - Philippines Inventory of Commercial Chemical Substances
- MITI - Ministry of International Trade and Industry (JAPAN)
- CICS - Chinese Inventory of Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 3 - Composition/Information on Ingredients

Section 4 - First Aid Measures

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage

Section 8 - Exposure Controls/Personal Protection

Section 9 - Physical and Chemical Properties;

Section 11 - Toxicological Information;

Section 15 - Regulatory Information: Product Certifications

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