

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

Material Safety Data Sheet

Document id : 10-2819-0 Issue date : 2012/05/09
 Version : 10.00 Supersedes date : 2009/05/08

Copyright, 1997, 3M Canada Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

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.

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

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

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

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 eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. Get immediate medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. 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:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Material will not burn. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

(AEROSOL STORAGE level is based on NFPA 30B definition)

Combustion Products from Fire:

☐

Carbon monoxide - During Combustion;
 Carbon dioxide - During Combustion;
 Unusual Fire and Explosion Hazards
 None known.

Fire Fighting Procedures:

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

NFPA: Health	1
NFPA: Fire	0
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:

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.

Environmental Procedures

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.

Methods for cleaning up

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.
 Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

Do not store containers on their sides.

Incompatible Materials:

Store away from heat;
Sparks and/or Flames;
Store out of direct sunlight.
Store away from acids;
Store away from oxidizing agents.

Ventilation:

No data available.

Fire Prevention:

Aerosol container contains flammable gas under pressure. Do not spray near flames or sources of ignition.

Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Use Instructions:

Do not pierce or burn container, even after use. Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.
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:
Wear appropriate gloves when handling this material.
neoprene;
nitrile rubber;

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.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

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

Ingestion (Prevention):

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

Keep out of the reach of children.

Recommended Ventilation:

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.

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

CMRG: TWA 5 mg/m3 Category: OIL MIST, MINERAL

CMRG: STEL 10 mg/m3 Category: OIL MIST, MINERAL

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: TWA 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.

□

3M BRAND STAINLESS STEEL CLEANER & POLISH

Page 6 of 9 □

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; Aerosol; Emulsion; thick; White; 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:	Not Available
Partition coefficient (K o/w):	Not Available
Specific gravity:	Approximately 1 Water=1
Vapour density:	Not Available
Volatile organic compounds:	7 - 13 % calculated per CARB title 2
Evaporation rate:	Not Available
Viscosity:	< 4500 centipoise Liquid portion
Percent Volatile:	45 - 85 %

10 Stability and Reactivity

Conditions to Avoid:

Heat;
Sparks and/or Flames;
Store out of direct sunlight.

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.

11 Toxicological Information

Effects from Eye Contact:

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

Effects from Skin Contact:

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

Effects from Inhalation:

Intentional concentration and inhalation may be harmful or fatal.
Single exposure, above recommended guidelines, may cause:
Cardiac Sensitization: Signs/symptoms may include irregular

□

3M BRAND STAINLESS STEEL CLEANER & POLISH

Page 7 of 9 □

heartbeat (arrhythmia), faintness, chest pain, and may be fatal.
May be absorbed following inhalation and cause target organ effects.

Effects from Ingestion:

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

Sensitization Information:

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

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:

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

12 Ecological Information

Environmental Data:

Persistence/Biodegradability:

The components labeled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments. The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Bioaccumulation Potential:

The components labeled 'Log Kow <3' have measured or calculated log Kow values <3 indicating they are unlikely to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues. The components labeled 'Bioconcentration-factor (BCF) not determined' have little or no information on their potential to bioconcentrate or accumulate in aquatic organisms.

Ecotoxicity Data:

There is insufficient component information to calculate the ecotoxicity of this product. There is insufficient component information to calculate the wastewater treatment system effects of this product. The components labeled 'No information' have no environmental fate and effects data available. Not determined.

Ecofate Data:

Not determined.

□

3M BRAND STAINLESS STEEL CLEANER & POLISH

Page 8 of 9 □

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

13 Disposal Considerations

Product as Sold:

Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Recycle empty aerosol containers where 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, D2B

XN-1015-7228-9

XN-1015-6408-8 and

XN-1015-7536-5 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)

EINECS - European Inventory of Existing Commercial Chemical Substances

□

3M BRAND STAINLESS STEEL CLEANER & POLISH

Page 9 of 9 □

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:

Added product id(s) to the MSDS;

Section 3 - Composition/Information on Ingredients;

Section 4 - First Aid Measures;

Section 6 - Accidental Release Measures;

Section 8 - Exposure Controls/Personal Protection;

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M 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 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---

□