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Material Safety Data Sheet
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1 Chemical Product and Company Identification

Tradename:
3M BRAND LIQUID STAINLESS STEEL CLEANER AND POLISH
Product ID:
70-0705-4393-2 70-0705-8025-6 70-0705-8028-0 CN-1006-9943-4
CN-1006-9944-2 CN-1006-9945-9 CN-1006-9945-0 CN-1007-2115-4
70-0705-8920-8 70-0711-5776-5 70-0711-5777-3
Intended Use of Product:
Stainless Steel Cleaner and Polish
Division:
BUILDING & COMMERCIAL SERVICES

2 Hazards Identification

Critical Hazards:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
May be absorbed following inhalation and cause target organ effects.
May be absorbed following ingestion and cause target organ effects.
See Sections 7 and 11 for further information.

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3 Composition/Information on Ingredients

Ingredient Name	gm msds 1019	
	CAS Number	Percentage
WATER	7732-18-5	40 - 70
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	10 - 30
NAPHTHOL SPIRITS	64742-48-9	7 - 13
SORBITAN OLEATE	1338-43-8	3 - 7
SORBITOL	50-70-4	1 - 5
D-LIMONENE	5989-27-5	0.1 - 0.5

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. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

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

5 Fire Fighting Measures

Flash point: Approximately 97.8 C PMCC

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

Autoignition temperature: Not Available

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards during Fire:

Non-flammable: ordinary combustible material.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Unusual Fire and Explosion Hazards

None known.

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Fire Fighting Procedures:

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

NFPA: Health 2

NFPA: Fire 1

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.

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

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. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

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7 Handling and Storage

Storage Requirements:

Store under normal warehouse conditions.

Incompatible Materials:

None known.

Ventilation:

No data available.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

Hand Protection:

Avoid skin contact.
 Gloves not normally required.
 Skin Protection:
 Avoid skin contact.
 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.
 Recommended Ventilation:
 Use in a well-ventilated area.

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 10 mg/m3 Category: OIL MIST, MINERAL
 CMRG: STEL 5 mg/m3 Category: OIL MIST, MINERAL

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NAPHTHOL SPIRITS (64742-48-9)
 Specific Ingredient Data
 No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 3M: TWA 100 ppm
 CMRG: TWA 300 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.
 SORBITOL (50-70-4)
 LD50 (rat, oral) 15,900 mg/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.
 D-LIMONENE (5989-27-5)
 LD50 (rat, oral) 4400 mg/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 AIHA: TWA 30ppm

 9 Physical and Chemical Properties

Physical Form, Color, Odour:	Liquid; milky white emulsion; Mild; citrus odour;
Odour Threshold:	No data available.
pH:	Approx 7
Boiling point/boiling range:	Approx 100 C
Melting point/melting range:	Not applicable
Vapour pressure:	< 16 psia @ 55 C
Water Solubility:	Not Available
Specific gravity:	Approximately 1 Water=1
Vapour density:	Not Available
Volatile organic compounds:	7 - 13 % by weight
Evaporation rate:	Not Available
Viscosity:	Not Available
Percent Volatile:	47 - 83 %

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 10 Stability and Reactivity

Conditions to Avoid:
 None known.
 Materials to Avoid:
 None known.
 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:
 Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.
 Effects from Skin Contact:
 Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
 Mild Skin Irritation: Signs/symptoms can include localized redness, swelling, and itching.
 Effects from Inhalation:
 Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
 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.
 May be absorbed following ingestion and cause target organ effects.
 Sensitization Information:
 Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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

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reaction time, slurred speech, giddiness, and unconsciousness.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

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.

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:

Non-Regulated Material

Special Information:

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification:

D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS

gm msds 1019

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

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Substances

TSCA - Toxic Substances Control Act (USA)

USDA - United States Department of Agriculture KECI - Korean

Existing Chemicals Inventory

PICCS - Philippines Inventory of Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Composition/Information on Ingredients;

Section 4 - First Aid Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

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