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 Material Safety Data Sheet  
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 1 Product Identification  
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Tradename:  
 3M BRAND CARPET STAIN REMOVER, HEAVY DUTY  
 Product ID:  
 XN-1014-3526-3 61-5000-0317-5 61-5000-6134-8 FX-0100-0470-8  
 FZ-0100-0467-4 FZ-0100-0468-2 FZ-0100-0471-6 FZ-0100-0395-7  
 Intended Use of Product:  
 Cleaner;  
 Division:  
 COMMERCIAL CARE DIVISION

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 2 Composition/Information on Ingredients  
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Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	40 - 70
TETRACHLOROETHYLENE	127-18-4	7 - 13
2-BUTOXYETHANOL	111-76-2	7 - 13
ISOBUTANE	75-28-5	5 - 10
SODIUM LAURYL SULFATE	151-21-3	3 - 7
STYRENE MALEIC ANHYDRIDE RESIN, AMMONIUM SALT	143496-13-3	1 - 5
PROPANE	74-98-6	1 - 5

Ingredient Statements

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24  
 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

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 3 Hazards Identification  
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Critical Hazards

Aerosol container contains flammable gas under pressure.

Moderate Eye Irritation: signs/symptoms can include redness,  
 swelling, pain, tearing, and hazy vision.

May be absorbed through the skin and produce effects similiar to  
 those caused by inhalation and/or ingestion.

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

WARNING: Contains a chemical which can cause cancer. (127-18-4) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B)  
See Sections 7 and 11 for further information.

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#### 4 First Aid Measures

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##### Instructions for Eye Contact:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

##### Instructions for Skin Contact:

Flush skin with large amounts of water. If irritation persists, get medical attention.

##### Instructions for Inhalation:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

##### Instructions for Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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#### 5 Fire Fighting Measures

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Flash point: Not applicable. (Liquid only - no flash point; Propellant flash point = -17.78 C)

Lower Explosive Limit (%): Not available

Upper Explosive Limit (%): Not available

Autoignition temperature: Not available

##### Suitable Extinguishing Media:

Water spray; Carbon Dioxide; Dry chemical; Foam;

##### Exposure Hazards during Fire:

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

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#### Combustion Products from Fire:

Carbon monoxide and carbon dioxide; oxides of sulfur; Hydrogen chloride; Phosgene; Toxic vapours, gases or particulates;

#### Fire Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

NFPA Aerosol Classification: Level 1

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#### 6 Accidental Release Measures

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##### Personal Precautions:

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

##### Spill Response:

Ventilate area. Extinguish all ignition sources. Evacuate unprotected personnel from hazard area. Place leaking containers in

a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

Methods for Disposal:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Combustion products will include HCl.

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7 Handling and Storage  
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Storage Requirements:

Store at temperatures below 120 degrees F (49 degrees C).

Incompatible Materials:

Heat;

Fire Prevention:

Aerosol container contains flammable gas under pressure.

Explosion Prevention:

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

Use Instructions:

Do not pierce or burn container, even after use.

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8 Exposure Controls/Personal Protection  
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Personal Protection  
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Eye Protection:

Wear safety glasses with side shields. Avoid eye contact.

Hand Protection:

A pair of gloves made from the following material(s) are recommended: Rubber;

Skin Protection:

Avoid prolonged or repeated skin contact.

Respiratory Protection:

Not required under normal use and handling. Avoid prolonged breathing of spray or mists.

Ingestion (Prevention):

Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

Use in a well-ventilated area.

Ingredient Exposure Data  
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WATER (7732-18-5)

LD50 (rat, oral): > 90 ml/kg

TETRACHLOROETHYLENE (127-18-4)

LD50 (rat, oral): 2600 mg/kg

LC50 (rat, inhalation/4 hours): 5040 ppm

PIN (Product Identification Number): 1897

Ontario TWAEV: 25 ppm

Ontario STEV: 100 ppm

ACGIH TLV-TWA: 25 ppm 170 mg/m3

ACGIH TLV-STEL: 100 ppm 685 mg/m3

2-BUTOXYETHANOL (111-76-2)

LD50 (rat, oral): 470 mg/kg

LC50 (rat, inhalation/4 hours): 450 ppm

PIN (Product Identification Number): 2369  
 Ontario TWAEV: 20 ppm  
 ACGIH TLV-TWA: 25 ppm 121 mg/m3 (Skin)  
 Skin Notation: Overall exposure for this substance will be influenced by cutaneous route exposure, including mucous membrane and eye, either by airborne or more particularly by direct contact with the substance. Vehicles can alter skin absorption.

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 ISOBUTANE (75-28-5)

LC50 (rat, inhalation): 570,000 ppm 15 minutes  
 PIN (Product Identification Number): UN 1969  
 ACGIH TLV-TWA: 800 ppm / 1900 mg/m3

## SODIUM LAURYL SULFATE (151-21-3)

LD50 (rat, oral): 1288 mg/kg  
 LC50 (rat, inhalation): > 3900 mg/m3 1 hour

## STYRENE MALEIC ANHYDRIDE RESIN, AMMONIUM SALT (143496-13-3)

Specific Ingredient Data: No data available.

## PROPANE (74-98-6)

PIN (Product Identification Number): UN 1978  
 Ontario TWAEV: 2,500 ppm  
 Specific Ingredient Data: No data available.

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 9 Physical and Chemical Properties  
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Physical form,Color,Odour:	Aerosol; Liquid; Clear; mild odour;
Odour Threshold:	No data available.
pH:	9.9
Boiling point/boiling range:	100.0 C
Melting point/melting range:	Not available
Vapour pressure:	Not available
Water Solubility:	Complete
Partition coefficient (K o/w):	No data available.
Specific gravity:	0.995 Water=1
Vapour density:	Not available
Volatile organic compounds:	Approximately 315 gms/liter SCAQMD Rule 443.1; Calculated
Evaporation rate:	Not available
Viscosity:	Not available

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 10 Stability and Reactivity  
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Conditions to Avoid:  
 None known.  
 Materials to Avoid:  
 Heat;  
 Hazardous Decomposition:  
 Carbon monoxide and carbon dioxide; oxides of sulfur; Hydrogen chloride; Phosgene; Toxic vapours, gases or particulates;

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## Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

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11 Toxicological Information  
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## Effects from Eye Contact:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

## Effects from Skin Contact:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching. May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

## Effects from Inhalation:

Single overexposure, above recommended guidelines, may cause:  
Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing. Prolonged or repeated overexposure, above recommended guidelines, may cause: Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain. Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

## Effects from Ingestion:

Ingestion is not a likely route of exposure to this product.  
Ingestion may cause: Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces. Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

## Sensitization Information:

No data available.

## Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (127-18-4) (NTP anticipated human carcinogen, IARC possible human carcinogen 2B)

## Mutagenicity:

No data available.

## Reproductive Effects:

No data available.

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12 Ecological Information  
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## Ecotoxicity Data:

No data available.

## Other Effects and Information:

Not determined. Since regulations vary, consult applicable regulations or authorities before disposal.

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13 Disposal Considerations  
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## Product as Sold:

No data available.

## Product after Use:

Do not puncture or burn cans in a household incinerator.

## Product Packaging:

No data available.

## Special Instructions:

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

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14 Transportation Information  
-----Transportation of Dangerous Goods  
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TDG Classification:	Regulated Material.
Proper Shipping Name:	Aerosol;
Class/Division:	2.2
UN Number:	UN 1950

International Dangerous Goods Classification  
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IMO Class:	No data available.
ICAO Class:	No data available.

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15 Regulatory Information  
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WHMIS Classification:	A, B5, D1B, D2A, D2B
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## 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:

- TSCA - Toxic Substances Control Act (USA)
- DSL - Domestic Substances List (Canada)

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EINECS - European Inventory of Existing Commercial Chemical Substances

AICS - Australian Inventory of Chemical Substances

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16 Other Information  
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## Reason for Reissue:

The following Sections and topics have been updated or revised:  
WHMIS Classification change

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