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Material Safety Data Sheet
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1 Product Identification

Tradename:
3M BRAND EXTRACTION CLEANER CONCENTRATE (PRODUCT NO. 9, TWIST 'N
FILL (TM) SYSTEM)

Product ID:
70-0705-4326-2 XN-1015-1366-3 70-0707-1417-8 70-0708-3853-0
70-0708-4009-8 70-0710-0969-3

Intended Use of Product:
Carpet cleaner;
To be diluted and dispensed with the 3M Chemical Dispenser; dilution
ratio is: 1:256 or 1.378

Division:
COMMERCIAL CARE DIVISION

Limitations on Use of Product:
2L concentrate bottle yields 513 liters Ready-To-Use product.

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	40 - 70
HYDROXYALKYL AMINE OXIDES	68478-65-9	15 - 40
ISOPROPYL ALCOHOL	67-63-0	5 - 10
2-ETHYL-HEXYLOXYETHANOL	1559-35-9	1 - 5
FRAGRANCE	None	0.5 - 1.5

Ingredient Statements

IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS MATERIAL.

3 Hazards Identification

Critical Hazards

Severe Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, cloudy appearance of the cornea, impaired vision and possible permanently impaired vision. Severe Skin Irritation: signs/symptoms can include redness, swelling, itching, dryness, cracking, blistering, and pain.

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician.

Wash contaminated clothing before reuse and dispose of contaminated shoes.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a physician.

5 Fire Fighting Measures

Flash point: Approximately 38.9 C
Lower Explosive Limit (%): 2.0 % by volume Isopropyl Alcohol;
Upper Explosive Limit (%): 12.7 % by volume AT 93.3 C Isopropyl Alcohol;

Autoignition temperature: 399 C Isopropyl Alcohol;

Suitable Extinguishing Media:

Water; Carbon Dioxide; Dry powder; Foam;

Exposure Hazards during Fire:

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

Combustion Products from Fire:

Carbon monoxide and carbon dioxide; Oxides of Nitrogen; Irritant vapours or gases;

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.

6 Accidental Release Measures

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. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container. Seal the container.

Methods for Disposal:

Incinerate in a permitted hazardous waste incinerator.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use.

Incompatible Materials:

Store away from heat.
Strong oxidizing agents;

Explosion Prevention:

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

Use Instructions:

Keep container tightly closed. Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is

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TWIST 'N FILL (TM) SYSTEM)

not expected to occur. Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear full-face shield.

Hand Protection:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber;

Skin Protection:

Avoid skin contact. Use one or more of the following personal protection items as necessary to prevent skin contact: apron; coveralls;

Respiratory Protection:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapours, mists or spray. Avoid breathing of airborne material. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants: half-mask organic vapour respirator; full-face organic vapour respirator;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Ingredient Exposure Data

WATER (7732-18-5)

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

HYDROXYALKYL AMINE OXIDES (68478-65-9)

Specific Ingredient Data: No data available.

ISOPROPYL ALCOHOL (67-63-0)

LD50 (rat, oral): 4710 mg/kg

LC50 (rat, inhalation/4 hours): 17000 ppm

PIN (Product Identification Number): 1219

Ontario TWAEV: 400 ppm 980 mg/m³

Ontario STEV: 500 ppm 1225 mg/m³

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ACGIH TLV-TWA: 400 ppm 985 mg/m³
ACGIH TLV-STEL: 500 ppm 1230 mg/m³

2-ETHYL-HEXYLOXYETHANOL (1559-35-9)
Specific Ingredient Data: No data available.

FRAGRANCE (None)
Specific Ingredient Data: No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; clear; colourless; mild
fragrance;
Odour Threshold: No data available.
pH: Approximately 8
Boiling point/boiling range: Approximately 93.3 C
Melting point/melting range: Not applicable
Vapour pressure: Not Available.
Water Solubility: Complete
Partition coefficient (K o/w): No data available.
Specific gravity: Approximately 1.0 Water=1
Vapour density: 2.1 Air=1 Isopropyl Alcohol;
Volatile organic compounds: Approximately 15 %
Evaporation rate: Approximately 1 Water=1
Viscosity: < 100 centipoise

10 Stability and Reactivity

Conditions to Avoid:
None known.
Materials to Avoid:
Strong oxidizing agents;
Hazardous Decomposition:
Carbon monoxide and carbon dioxide; Oxides of Nitrogen; Irritant
vapours or gases;
Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:
Severe Eye Irritation: signs/symptoms can include redness, swelling,
pain, tearing, cloudy appearance of the cornea, impaired vision and
possible permanently impaired vision.

Effects from Skin Contact:

Severe Skin Irritation: signs/symptoms can include redness, swelling, itching, dryness, cracking, blistering, and pain.

Effects from Inhalation:

Prolonged or repeated exposure 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.

Effects from Ingestion:

Ingestion is not a likely route of exposure to this product.

Ingestion may cause: Gastrointestinal Effects: signs/symptoms generally will include abdominal pain.

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Other Effects & Information:

A Product Toxicity Summary Sheet is available. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** medical conditions, if any, known to be aggravated by exposure to this product are indicated in the appropriate portions of the Toxicological Information section of this data sheet. **CARCINOGENS:** components of this product, if any, known to cause, or suspected of causing, cancer as determined by OSHA, IARC, or NTP are described in the Toxicological Information section of this data sheet.

12 Ecological Information

Ecotoxicity Data:

A 3M Product Environmental Data Sheet (PED) is available.

Other Effects and Information:

The use of this product is expected to have no significant environmental impact. All components will eventually degrade in the environment.

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 Transportation Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated
TDGR Section 2.23.2(1)

International Dangerous Goods Classification

IMO Class: No data available.
ICAO Class: No data available.

15 Regulatory Information

WHMIS Classification: B3, D2B

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)

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
Formulation revision.
Added/changed product ids of MSDS

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