** MSDS RECORD NUMBER : 2758613 **

** PRODUCT NAME(S) : 3M BRAND FOOD SERVICE DEGREASER READY-TO-USE (PRODUCT NO. 7, TWIST 'N FILL (TM) SYSTEM) **

** PRODUCT IDENTIFICATION : Document No.: 06-2111-0 **

** DATE OF MSDS : 2001-04-04 **

** CURRENCY NOTE : This MSDS was provided to CCOHS in electronic form on 2001-06-25 **

*** MANUFACTURER INFORMATION ***

** MANUFACTURER : 3M CANADA COMPANY **

** ADDRESS : POST OFFICE BOX 5757 **

** LONDON ONTARIO **

** CANADA N6A 4T1 **

** Telephone: 519-451-2500 **

** EMERGENCY TELEPHONE NO. : 519-451-2500 EXT 2222 (Medical) **

** MANUFACTURER NOTE : FOR FURTHER INFORMATION PLEASE CONTACT VIVIAN COTHROS, SPECIALIST, REGULATORY AFFAIRS, 519-452-4669. **

*** MATERIAL SAFETY DATA ***

3M Canada Company
Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
===================================================================
Material Safety Data Sheet
===================================================================
Document id : 06-2111-0 Issue date : 04/04/2001
Version : 8.00 Supersedes date : 01/04/2000
Prepared by: Environmental Health and Safety Services Department, 3M
Canada Company.
Telephone: (519) 452-6102, Fax: (519) 452-6015.
===================================================================
1 Product Identification
===================================================================
Trademark:
3M BRAND FOOD SERVICE DEGREASER READY-TO-USE (PRODUCT NO. 7, TWIST 'N FILL (TM) SYSTEM)

Product ID:
Intended Use of Product:
Commercial kitchen degreasing dilution ratio is: 1 : 38
Concentrate MSDS Document Number: 06-5449-1
Division:
HOME AND COMMERCIAL CARE DIVISION
Limitations on Use of Product:
Not for automotive grease applications
2L concentrate bottle yields 450 liters Ready-To-Use product.
===================================================================
2 Composition/Information on Ingredients

http://ccinfoweb.ccohs.ca/msds/Action.lasso?-database=msds&-layout=Display&-response=... 3/12/02
Ingredient Name | CAS Number | Percentage
--- | --- | ---
WATER | 7732-18-5 | > 95
ETHANOLAMINE | 141-43-5 | < 1

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.

3 Hazards Identification

Critical Hazards
May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.
See Sections 7 and 11 for further information.

4 First Aid Measures

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.

5 Fire Fighting Measures

Flash point: > 100 C TCC
Lower Explosive Limit (%): Not available
Upper Explosive Limit (%): Not available
Autoignition temperature: Not available

Suitable Extinguishing Media:
Water; Carbon Dioxide; Dry chemical; Foam;

Exposure Hazards during Fire:
No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:
Carbon monoxide and carbon dioxide;

Fire Fighting Procedures:
Not applicable

6 Accidental Release Measures

Personal Precautions:
Observe precautions from other sections.

Spill Response:
Ventilate area. Contain spill. Cover with absorbent material.
Collect spilled material. Clean up residue with water. Place in a closed container.

Methods for Disposal:
Discharge spent solutions and small quantities (less than 5 gal. (19 L)) to a wastewater treatment system.

7 Handling and Storage

Storage Requirements:
Keep container closed when not in use.

Incompatible Materials:
None known

Fire Prevention:
Not applicable.
Use Instructions:
NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST'N FILL (tm) Chemical Dispenser.

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8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:
Avoid eye contact. Avoid eye contact with vapour, spray, or mist.

Skin Protection:
Avoid prolonged or repeated skin contact.

Respiratory Protection:
Avoid breathing of vapours, mists or spray.

Ingestion (Prevention):
Do not ingest. Keep out of the reach of children.

Recommended Ventilation:
Use in a well-ventilated area. Use with adequate dilution ventilation.

Ingredient Exposure Data

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WATER (7732-18-5)
LD50 (rat. oral): > 90 ml/kg

ETHANOLAMINE (141-43-5)
LD50 (rat. oral): 1720 mg/kg
PIN (Product Identification Number): 2491
Ontario TWAEV: 3 ppm 7.5 mg/m³
Ontario STEV: 6 ppm 15 mg/m³
AGIHI TLV-TWA: 3 ppm 7.5 mg/m³
AGIHI TLV-STEL: 6 ppm 15 mg/m³

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9 Physical and Chemical Properties

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Physical form, Color, Odour: Liquid; colourless to yellow solution; mild fragrance;

Odour Threshold: No data available.

pH: 10.5 - 11.0

Boiling point/boiling range: Approximately 100 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 Water=1

Vapour density: Not available

Volatile organic compounds: < 1 %

Evaporation rate: Approximately 1 Water=1

Viscosity: < 100 centipoise

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10 Stability and Reactivity

Conditions to Avoid: None known.

Materials to Avoid: Not applicable.

Hazardous Decomposition:
Carbon monoxide and carbon dioxide;

Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

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11 Toxicological Information

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Effects from Eye Contact:
Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

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 similar to those caused by inhalation and/or ingestion.

Effects from Inhalation:
Single overexposure, above recommended guidelines, may cause:
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: 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:
No data available.

Mutagenicity:
No data available.

Reproductive Effects:
No data available.

12 Ecological Information

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

Other Effects and Information:
See MSDS for product concentrate.

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 Material

International Dangerous Goods Classification

IMO Class:  No data available.

ICAO Class:  No data available.

15 Regulatory Information

WHMIS Classification:  Not Controlled

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.

16 Other Information

Reason for Reissue:
The following Sections and topics have been updated or revised:
Revised Intended Use of Product
Section 2 - Composition/Information on Ingredients;
Section 3 - Hazards Identification - Critical Hazards;
Section 5 - Fire Fighting Measures
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---End---

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