

* * * * *
 * M S D S *
 *
 * Canadian Centre for Occupational Health and Safety *
 * * * * * (February, 2002) *

*** IDENTIFICATION ***

MSDS RECORD NUMBER : 2758613
 PRODUCT NAME(S) : ~~Degreaser, Heavy~~
 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

Tradename:
 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

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.

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

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

ACGIH TLV-TWA: 3 ppm 7.5 mg/m³

ACGIH TLV-STEL: 6 ppm 15 mg/m³

9 Physical and Chemical Properties

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

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.

11 Toxicological Information

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

Copyright, 1997, Minnesota Mining and Manufacturing 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. 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---

©2001 Canadian Centre for Occupational Health & Safety