

3M Canada Company  
1840 Oxford Street East, Post Office Box 5757  
London, Ontario N6A 4T1  
Medical Emergency Telephone: (519) 451-2500, Ext. 2222  
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

=====  
Material Safety Data Sheet  
=====

Document id : 26-9341-4 Issue date : 2011/09/21  
Version : 6.00 Supersedes date : 2011/07/21

Copyright, 1997, 3M Canada 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.

Prepared by: Corporate Regulatory Services, 3M Canada Company  
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

-----  
1 Chemical Product and Company Identification  
-----

Tradename:  
3M TROUBLESHOOTER (AEROSOL)  
Product ID:  
XN-1015-7772-6  
Intended Use of Product:  
Baseboard Stripper  
Industrial use;  
Division:  
ZD - 3M Canada Company

-----  
2 Hazards Identification  
-----

Critical Hazards:  
Compressed Gas;  
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.  
Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.  
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.

---



---

### 3 Composition/Information on Ingredients

---

| Ingredient Name                        | CAS Number | Percentage |
|--|------------|------------|
| WATER                                  | 7732-18-5  | 65 - 75    |
| 1,2-PROPYLENE GLYCOL 1-MONOBUTYL ETHER | 5131-66-8  | 10 - 20    |
| PETROLEUM GASES, LIQUEFIED, SWEETENED  | 68476-86-8 | 5 - 10     |
| ETHANOLAMINE                           | 141-43-5   | 1 - 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:**

Immediately flush eyes with large amounts of water for at least 30 minutes. Get immediate medical attention.

**Instructions for Skin Contact:**

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Instructions for Inhalation:**

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

**Instructions for Ingestion:**

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

**Special Instructions:**

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

---

### 5 Fire Fighting Measures

---

Flash point: Not applicable

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:**

No flashpoint detected for the concentrate up to: 100 C Product has no flame projection and no flashback.

Closed containers exposed to heat from fire may build pressure and

---

explode.

Combustion Products from Fire:

Carbon monoxide - During Combustion;  
Carbon dioxide - During Combustion;  
Oxides of Nitrogen - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

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

---

## 6 Accidental Release Measures

---

Personal Precautions:

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

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralize spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or spattering. Continue to add neutralizing agent until reaction stops. Let cool before collecting. Or use a commercially available caustic (alkaline or basic) spill clean-up kit. Follow kit directions exactly. 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 with water.

Spill Response:

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

---

---

## 7 Handling and Storage

---

### Storage Requirements:

Do not store containers on their sides.

### Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Store away from acids;

Store away from oxidizing agents.

Light;

### Ventilation:

No data available.

### Use Instructions:

For industrial or professional use only.

Do not pierce or burn container, even after use. Avoid contact with oxidizing agents.

---

## 8 Exposure Controls/Personal Protection

---

### Personal Protection

---

#### Eye Protection:

Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles;

#### Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

neoprene;

nitrile rubber;

#### Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

#### Respiratory Protection:

Avoid breathing vapours, mists or spray. Select appropriate respiratory protection based on airborne concentration of contaminants and in accordance with applicable government regulations. Consult the current 3M Respirator Selection Guide for additional information or call 1-800-243-4630 in the USA or in Canada call 1-800-267-4414 for 3M respirator technical assistance. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

## Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

## Recommended Ventilation:

Do not use in a confined area or areas with little or no air movement.

Do not remain in area where available oxygen may be reduced.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

## 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.

## 1,2-PROPYLENE GLYCOL 1-MONOBUTYL ETHER (5131-66-8)

Specific Ingredient Data  
No data available.  
LD50 (rat, oral) 1.9 g/kg  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
No data available.

## PETROLEUM GASES, LIQUEFIED, SWEETENED (68476-86-8)

Specific Ingredient Data  
No data available.  
LD50 (rat, oral) No data available.  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
No data available.

## ETHANOLAMINE (141-43-5)

LD50 (rat, oral) 1720 mg/kg  
LD50 (dermal, rabbit) 1 ml/kg ( 1018 mg/kg )  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
ACGIH: TWA 3 ppm  
ACGIH: TWA 7.5 mg/m3  
ACGIH: STEL 6 ppm  
ACGIH: STEL 15 mg/m3

---

---

## 9 Physical and Chemical Properties

---

|                                |   |
|--------------------------------|---|
| Physical form,Color,Odour:     | Aerosol; Liquid; Clear;<br>Colourless; light ether<br>odour;                      |
| Odour Threshold:               | No data available.  |
| pH:                            | 11 - 12 (concentrate)   |
| 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): | Not Available   |
| Specific gravity:              | 0.95 Water=1  |
| Vapour density:                | Not Available   |
| Volatile organic compounds:    | 25 - 30 % by weight   |
| Evaporation rate:              | Not Available   |
| Viscosity:                     | 72 centipoise (concentrate)   |
| Percent Volatile:              | 90 - 100 %  |
| Other data:                    | VOC DATA (Maximum VOC less<br>water and exempt compounds):<br>500 - 900 gms/liter |

---

## 10 Stability and Reactivity

---

Conditions to Avoid:

- Heat;
- Store out of direct sunlight.
- Light;

Materials to Avoid:

- Strong acids;
- Strong oxidizing agents;

Hazardous Decomposition:

- Carbon monoxide - During Combustion;
- Carbon dioxide - During Combustion;
- Oxides of Nitrogen - During Combustion;

Stability and Reactivity:

- Stable. Hazardous polymerization will not occur.

---

## 11 Toxicological Information

---

Effects from Eye Contact:

- Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Effects from Skin Contact:

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

pain.

Effects from Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

May be absorbed following inhalation and cause target organ effects.

Prolonged or repeated exposure may cause: Respiratory Effects:

Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

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:

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

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 reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Hematopoietic Effects: Signs/symptoms may include generalized weakness, fatigue and alterations in numbers of circulating blood cells.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

---

12 Ecological Information

---

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

---

13 Disposal Considerations

---

Product as Sold:

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

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:

Consumer Commodity

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.



---

---

## 15 Regulatory Information

---

WHMIS Classification: A, 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:

AICS - Australian Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)

CICS - Chinese Inventory of Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical Substances

PICCS - Philippines Inventory of Commercial Chemical Substances

KECI - Korean Existing Chemicals Inventory

TSCA - Toxic Substances Control Act (USA)

---

---

## 16 Other Information

---

Reason for Reissue:

The following Sections and topics have been updated or revised:

Revised Intended Use of Product

Section 4 - First Aid Measures;

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

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---