

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 : 07-3563-9 Issue date : 2015/01/30
Version : 10.00 Supersedes date : 2010/11/27

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(TM) GENERAL PURPOSE ADHESIVE CLEANER PN 08987

Product ID:

60-9800-2679-7 XS-0414-1473-0 60-4550-3068-8 60-4550-4585-0

Intended Use of Product:

Adhesive remover

Division:

AUTOMOTIVE AFTERMARKET

2 Hazards Identification

Critical Hazards:

Extremely flammable liquid and vapour.

Aerosol container contains flammable gas under pressure.

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

May be absorbed following inhalation and cause target organ effects.

May be absorbed following ingestion and cause target organ effects.

WARNING: Contains a chemical which can cause cancer. (CAS 100-41-4) (IARC possible human carcinogen 2B)

High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo/fetus. These effects were often at levels toxic to the mother. The significance

of these findings to humans has not been determined.

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
VM & P NAPHTHA	8032-32-4	40 - 50
XYLENE ISOMERS	1330-20-7	30 - 60
PROPANE	74-98-6	10 - 30
ETHYLBENZENE	100-41-4	10 - 15
TOLUENE	108-88-3	0.1 - 1.0
BENZENE	71-43-2	<= 0.042475

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:

Flush eyes with large amounts of water. If signs/symptoms persist, get 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: -41.11 C (propellant)
Lower Explosive Limit (%): Not Available
Upper Explosive Limit (%): Not Available
Autoignition temperature: Not Available

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products from Fire:

Toxic vapours, gases or particulates;
Carbon Monoxide;
Carbon Dioxide;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 4

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard

none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Special Instructions:

Aerosol container contains flammable material under pressure.

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

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. 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. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. 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. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Do not store containers on their sides.

Incompatible Materials:

Store away from acids;

Store away from heat;

Store out of direct sunlight.

Store away from oxidizing agents.

Sparks and/or Flames;

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Extremely flammable liquid and vapour. Aerosol container contains flammable gas under pressure. Ground containers securely when transferring contents. Wear low static or properly grounded shoes.

No smoking while handling this material. Do not spray near flames or sources of ignition.

Explosion Prevention:

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

Static Prevention:

Avoid static discharge.

Use Instructions:

Do not pierce or burn container, even after use. Contents may be under pressure, open carefully. Keep container tightly closed.

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;

Safety glasses with side shields

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyethylene/ethylene vinyl alcohol;

fluoroelastomer

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 of vapours, mists or spray.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Half facepiece or fullface pressure demand self-contained breathing apparatus.

Ingestion (Prevention):

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

Keep out of the reach of children.

Recommended Ventilation:

Provide appropriate local exhaust ventilation on open containers.

If exhaust ventilation is not available, use appropriate respiratory protection.

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

VM & P NAPHTHA (8032-32-4)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) 3400 ppm

Exposure Limits

ACGIH TWA: 300 ppm (Table A3)

CMRG TWA: 100 ppm 570 mg/m3 CMRG: TWA 100 ppm CMRG: TWA

XYLENE ISOMERS (1330-20-7)

LD50 (rat, oral) 3523 mg/kg

LD50 (dermal, rabbit) > 1700 mg/kg

LC50 (rat, inhalation/4 hours) 5000 ppm

Exposure Limits

ACGIH-TWA: 100 ppm

ACGIH: STEL 150 ppm

CMRG: TWA 50 ppm

CMRG: STEL 75 ppm

PROPANE (74-98-6)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 1000 ppm

ETHYLBENZENE (100-41-4)	
LD50 (rat, oral)	3500 mg/kg
LD50 (dermal, rabbit)	17800 uL/kg
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: TWA 20 ppm	
CMRG: TWA 25 ppm	
CMRG: STEL 75 ppm	
TOLUENE (108-88-3)	
LD50 (rat, oral)	636 mg/kg
LD50 (dermal, rabbit)	14100 uL/kg
LC50 (rat, inhalation/4 hours)	LC50 (female rat, inhalation/4 hours vapour): 19.0 mg/l
Exposure Limits	
ACGIH: TWA 20 ppm	
CMRG: STEL 75 ppm	(skin contact contributes to exposure)
BENZENE (71-43-2)	
LD50 (rat, oral)	930 mg/kg
LD50 (dermal, rabbit)	> 9400 uL/kg
LC50 (rat, inhalation/4 hours)	13200 ppm
Exposure Limits	
ACGIH: TWA 0.5 ppm	(skin contact contributes to exposure) (Table A1)
ACGIH: STEL 2.5 ppm	(skin contact contributes to exposure) (Table A1)

9 Physical and Chemical Properties

Physical form,Color,Odour:	Liquid; Aerosol; Clear; Spray; with solvent odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	No data available.
Melting point/melting range:	Not applicable
Vapour pressure:	50 psi @ 21.11 C
Water Solubility:	Nil
Specific gravity:	0.738 Water=1
Vapour density:	>= 1 Air=1
Volatile organic compounds:	100 % by weight
Evaporation rate:	Not Available
Viscosity:	Not Available
Percent Volatile:	100 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Store out of direct sunlight.

Heat;

Sparks and/or Flames;

Materials to Avoid:

Strong oxidizing agents;

Store away from acids;

Hazardous Decomposition:

Toxic vapours, gases or particulates;

Carbon Monoxide;

Carbon Dioxide;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Effects from Inhalation:

May be absorbed following inhalation and cause target organ effects.

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

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.

Single exposure, above recommended guidelines, may cause: Simple

Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

Effects from Ingestion:

May be absorbed following ingestion and cause target organ effects.

Chemical (Aspiration) Pneumonitis: Signs/symptoms can include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and possibly death.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

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

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (CAS 100-41-4) (IARC possible human carcinogen 2B)

Mutagenicity:

No data available.

Reproductive Effects:

High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo/fetus. These effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined.

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

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:

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.

Special statements for 2001/58/EC:

Handling this product according to recommendations is important to minimize release to the environment. It is recommended that the environmental information included in this section be used to help determine appropriate handling of this product for your uses.

Other Effects and Information:

Take precautions to prevent direct release of this product to the environment. Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimized to the extent possible.

13 Disposal Considerations

Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.

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:

Exempt (Consumer Product)

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:

EINECS - European Inventory of Existing Commercial Chemical Substances

AICS - Australian Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)
KECI - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Commercial Chemical Substances
TSCA - Toxic Substances Control Act (USA)

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
Section 8 - Exposure Controls/Personal Protection

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---