

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 : 16-5619-8 Issue date : 2011/09/27
Version : 7.00 Supersedes date : 2008/09/22

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) SUPER FOAM FAST SPRAY ADHESIVE 74, ORANGE

Product ID:

CS-0406-7102-9 CX-1406-6818-9 CS-0406-7108-6 62-4935-4935-6
62-4935-4936-4 62-4935-4730-1 62-4935-4920-8 62-4935-4950-5
62-4935-4955-4 62-4935-4970-3 62-4935-4975-2

Intended Use of Product:

Aerosol foam adhesive;

Division:

INDUSTRIAL ADHESIVES AND TAPES

2 Hazards Identification

Critical Hazards:

Aerosol container contains flammable material under pressure.
Corrosive (Eye Burns): Signs/symptoms can include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.
Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.
Single exposure, above recommended guidelines, may cause: 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.
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
DIMETHYL ETHER	115-10-6	15 - 25
ACETONE	67-64-1	15 - 25
NONVOLATILE COMPONENTS	Trade Secret	15 - 25
ISOBUTANE	75-28-5	15 - 20
PENTANE	109-66-0	7 - 13
METHYL ACETATE	79-20-9	3 - 7
CYCLOHEXANE	110-82-7	1 - 5
PETROLEUM NAPHTHA	64742-48-9	1 - 3

NOTE:

NON-VOLATILE COMPONENTS is a Trade Secret material which is not controlled according to WHMIS criteria.

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. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

Special Instructions:

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

5 Fire Fighting Measures

Flash point: -45.6 C TCC
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:

Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products from Fire:

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

Unusual Fire and Explosion Hazards

Aerosol container contains flammable material under pressure.

Fire Fighting Procedures:

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

NFPA: Health 3

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:

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. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. Remember, adding an absorbent material does not remove a toxic,

corrosivity or flammability hazard.

Environmental Procedures

Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities.

Dispose of collected material as soon as possible.

Methods for cleaning up

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. Contain spill. 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 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. Seal the container.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Store away from acids; Strong oxidizing agents;

Ventilation:

No data available.

Fire Prevention:

Extremely flammable liquid and vapour. No smoking while handling this material.

Explosion Prevention:

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

Use Instructions:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid eye contact with vapours, mists, or spray. Vapours may ignite explosively. May cause flash fire. Prevent build-up of vapours - open all windows and doors. Maintain vapour concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapours may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc.

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:

Safety glasses with side shields

Hand Protection:

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.

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:

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. Consult the current 3M Respirator Selection Guide for additional information or call 1-800-243-4630 (USA) or 1-800-267-4414 (Canada) for 3M technical assistance. Organic vapor cartridges may have short service life.

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:

Use with functioning spray booth or local exhaust.

Use with appropriate local exhaust ventilation.

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

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

DIMETHYL ETHER (115-10-6)

Specific Ingredient Data

LC50 (rat, gas, 4 hours) 164,000 ppm

LD50 (rat, oral) No data available.

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

Exposure Limits

AIHA: TWA 1000 ppm

CMRG: TWA 1000 ppm

ACETONE (67-64-1)

LD50 (rat, oral) 5800 mg/kg

LC50 (rat, inhalation/4 hours) 100200 mg/m3

Exposure Limits

ACGIH: TWA 500 ppm (Table A4)

ACGIH: TWA 1780 mg/m3 (Table A4)

ACGIH: STEL 750 ppm (Table A4)

ACGIH: STEL 2380 mg/m3 (Table A4)

NONVOLATILE COMPONENTS (Trade Secret)

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.

ISOBUTANE (75-28-5)

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

PENTANE (109-66-0)

LD50 (rat, oral) > 2000 mg/kg

LC50 (rat, inhalation/4 hours) 364 g/m3

Exposure Limits

ACGIH: TWA 600 ppm

ACGIH: TWA 1770 mg/m3

METHYL ACETATE (79-20-9)

LD50 (rat, oral) 6.97 g/kg

LD50 (dermal, rabbit) > 5 g/kg

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

Exposure Limits

ACGIH: TWA 200 ppm

ACGIH: STEL 250 ppm

CYCLOHEXANE (110-82-7)

LD50 (rat, oral) 12,705 mg/kg

LC50 (rat, inhalation/4 hours) 13.9 mg/l

Exposure Limits

ACGIH: TWA 100 ppm

PETROLEUM NAPHTHA (64742-48-9)

Specific Ingredient Data

LC50 (rat, inhalation(aerosol)/4 hours): 8.5 g/m3

LD50 (rat, oral) No data available.

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

Exposure Limits

3M: TWA 100 ppm

CMRG: TWA 300 ppm

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid in aerosol container;
Orange colour, sweet/fruity
odour;
Odour Threshold: No data available.
pH: Not Available
Boiling point/boiling range: No data available.
Melting point/melting range: Not Available
Vapour pressure: No data available.

Water Solubility:	Nil
Partition coefficient (K o/w):	Not Available
Specific gravity:	0.718 Water=1
Vapour density:	2.97 Air=1
Volatile organic compounds:	<= 571 gms/liter (EU VOC content)
Evaporation rate:	1.9 Ether=1
Viscosity:	Not applicable
Percent Volatile:	Approximately 78 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat; Store out of direct sunlight.

Materials to Avoid:

Store away from acids; Strong oxidizing agents;

Hazardous Decomposition:

Hydrocarbons - During Combustion;

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:

Corrosive (Eye Burns): Signs/symptoms can include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Effects from Skin Contact:

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

Effects from Inhalation:

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

Intentional concentration and inhalation may be harmful or fatal.

Single exposure, above recommended guidelines, may cause: Cardiac

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

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.

May be absorbed following inhalation and cause target organ effects.

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:

No data available.

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.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

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: A, B5, 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

KECI - Korean Existing Chemicals Inventory

MITI - Ministry of International Trade and Industry (JAPAN)

PICCS - Philippines Inventory of Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Added product id(s) to the MSDS;

Section 2 - Composition/Information on Ingredients;

Section 3 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

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

3M(TM) SUPER FOAM FAST SPRAY ADHESIVE 74, ORANGE

Page 11 of 11

particular purpose and suitable for user's method of use or application.

---End---