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Material Safety Data Sheet
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Document id : 16-5855-8 Issue date : 2008/12/16
Version : 8.00 Supersedes date : 2008/07/29

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1 Product Identification

Tradename:

3M(TM) HI-TACK SPRAY ADHESIVE 76

Product ID:

CS-0406-7101-1 CS-0406-7109-4 62-4943-4930-1 62-4943-4935-0
62-4943-4920-2 62-4943-4921-0 62-4943-4950-9

Intended Use of Product:

Aerosol Adhesive

Division:

INDUSTRIAL ADHESIVES AND TAPES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
DIMETHYL ETHER	115-10-6	35 - 45
METHYL ACETATE	79-20-9	20 - 30
NONVOLATILE COMPONENTS	Trade Secret	10 - 20
CYCLOHEXANE	110-82-7	7 - 13
1,1-DIFLUOROETHANE	75-37-6	1 - 5
PETROLEUM NAPHTHA	64742-48-9	0.5 - 1.5
LIGHT PETROLEUM DISTILLATES	64742-47-8	0.5 - 1.5

NOTE:

NON-VOLATILE COMPONENTS is a non-hazardous Trade Secret material according to WHMIS criteria.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 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.
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.

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:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

Remove person to fresh air. Get immediate medical attention.

Instructions for Ingestion:

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

5 Fire Fighting Measures

Flash point: ◆ -40 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:

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:

Aldehydes - During Combustion;
Carbon monoxide - During Combustion;
Carbon dioxide - 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).

NFPA: Health	2
NFPA: Fire	4
NFPA: Reactivity	1
NFPA: Unusual Reaction Hazard	none

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.

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. Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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:

No data available.

Incompatible Materials:

Store away from heat;
Store out of direct sunlight.
Store away from acids;

Ventilation:

No data available.

Fire Prevention:

Extremely flammable liquid and vapour. Aerosol container contains flammable gas under pressure. 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.

Use Instructions:

Do not pierce or burn container, even after use. Avoid eye contact with vapours, mists, or spray.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.
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:

Gloves not normally required.

Skin Protection:

Avoid prolonged or repeated skin contact.

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.

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	
No data available.	
LD50 (rat, oral)	No data available.
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
CMRG: TWA 1000 ppm	
AIHA: TWA 1000 ppm	
METHYL ACETATE (79-20-9)	
LD50 (rat, oral)	> 5 g/kg
LD50 (dermal, rabbit)	> 5 g/kg
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: TWA 200 ppm	
ACGIH: TWA 606 mg/m3	
ACGIH: STEL 250 ppm	
ACGIH: STEL 760 mg/m3	
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.	
CYCLOHEXANE (110-82-7)	
LD50 (rat, oral)	12,705 mg/kg
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: TWA 100 ppm	
1,1-DIFLUOROETHANE (75-37-6)	
LD50 (rat, oral)	No data available.
LC50 (rat, inhalation/4 hours)	64,000 ppm
Exposure Limits	
CMRG: TWA 1000 ppm	
AIHA: TWA 1000 ppm	
AIHA: TWA 2700 mg/m3	
PETROLEUM NAPHTHA (64742-48-9)	
Specific Ingredient Data	
No data available.	
LD50 (rat, oral)	No data available.

LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
3M: TWA 100 ppm
CMRG: TWA 300 ppm
LIGHT PETROLEUM DISTILLATES (64742-47-8)
LD50 (rat, oral) > 5 g/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
CMRG: TWA 300 ppm

9 Physical and Chemical Properties

Physical form, Color, Odour: Liquid in aerosol; Gas;
Clear; amber; mild solvent
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
Specific gravity: 0.782 Water=1
Vapour density: 2.97 Air=1
Volatile organic compounds: <= 55 % Calculated per
SCAQMD Rule 443.1
Evaporation rate: 1.9 Ether=1
Viscosity: Not applicable
Percent Volatile: Approximately 85 % by weight

10 Stability and Reactivity

Conditions to Avoid:
Heat;
Store out of direct sunlight.
Materials to Avoid:
Store away from acids;
Hazardous Decomposition:
Aldehydes - During Combustion;
Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
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:

Prolonged or repeated exposure may cause: Mild Skin Irritation: Signs/symptoms can include localized redness, swelling, and itching.

Effects from Inhalation:

May be absorbed following inhalation and cause target organ effects.

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.

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.

Effects from Ingestion:

May be absorbed following ingestion and cause target organ effects.

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:

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.

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

TSCA - Toxic Substances Control Act (USA)

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 9 - Physical and Chemical Properties;

Section 11 - Toxicological Information;

WHMIS Classification change

Section 15 - Regulatory Information: Product Certifications

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