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Material Safety Data Sheet
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1 Product Identification

Tradename:

3M(TM) Foam Fast 74 Spray Adhesive, Clear

Product ID:

62-4950-4935-5 XT-0615-6823-1 62-4950-4936-3 62-4950-4950-4
62-4950-4955-3

Intended Use of Product:

Aerosol foam adhesive;

Division:

INDUSTRIAL ADHESIVES AND TAPES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
NON-VOLATILE COMPONENTS	Trade Secret	15 - 25
ISOBUTANE	75-28-5	15 - 25
ACETONE	67-64-1	15 - 25
DIMETHYL ETHER	115-10-6	15 - 25
PENTANE	109-66-0	10 - 15
METHYL ACETATE	79-20-9	3 - 7
PETROLEUM NAPHTHA	64742-48-9	1 - 5

CYCLOHEXANE

110-82-7

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:

Aerosol container contains flammable gas under pressure.

Extremely flammable liquid and vapour.

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.

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:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

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.

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:

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:

Hydrocarbons - During Combustion;
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).

NFPA: Health	3
NFPA: Fire	4
NFPA: Reactivity	0
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. Close cylinder. If the cylinder can't be closed, place in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors. Ventilate the area with fresh air. 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. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

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

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:

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:

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.

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.

Ingestion (Prevention):

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

Recommended Ventilation:

Use with appropriate local exhaust ventilation.
 Use with functioning spray booth or local exhaust.
 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

NON-VOLATILE 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

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)

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 AIHA: TWA	1000 ppm
1000 ppm	
PENTANE (109-66-0)	
LD50 (rat, oral)	> 2000 mg/kg
LC50 (rat, inhalation/4 hours)	◆ 364 g/m3
Exposure Limits	
ACGIH: TWA ACGIH: TWA	1770 mg/m3 600 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: STEL ACGIH: TWA ACGIH: TWA	606 mg/m3
ACGIH: STEL	760 mg/m3 250 ppm
200 ppm	
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
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

9 Physical and Chemical Properties

Physical form, Color, Odour:	Gas; Liquid in aerosol; Clear; sweet/fruity odour;
Odour Threshold:	No data available.
pH:	Not Available
Boiling point/boiling range:	Compressed Gas;
Melting point/melting range:	Not Available
Vapour pressure:	Compressed Gas;
Water Solubility:	Nil
Specific gravity:	◆ 0.718 Water=1
Vapour density:	◆ 2.97 Air=1
Volatile organic compounds:	Approx 55 % Calculated per SCAQMD Rule 443.1

Evaporation rate:	1.9 Ether=1
Viscosity:	Not applicable
Percent Volatile:	Approximately 79 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Heat;

Materials to Avoid:

Store away from acids;
Store out of direct sunlight.

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:

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.

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.

Single exposure, above recommended guidelines, may cause: Cardiac

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

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:

Single exposure, above recommended guidelines, may cause: 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.

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. The facility should be equipped to handle gaseous waste.

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.

International Dangerous Goods Classification

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:

TSCA - Toxic Substances Control Act (USA)

The components of this product are in compliance with the chemical notification requirements of CEPA.

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Update Tradename

Added product id(s) to the MSDS;

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;
- Section 15 - Regulatory Information: Product Certifications

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