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MATERIAL SAFETY DATA SHEET

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This MSDS has been prepared by 3M Australia Pty Ltd Toxicology Dept.

1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

3M(TM) FOAM FAST 74 CLASSIC SPRAY ADHESIVE AND 3M(TM) FOAM FAST 74
CYLINDER SPRAY ADHESIVE

DIVISION

AD - Industrial Adhesives and Tapes Division

3M Product ID

CS-0406-6972-6, 62-4991-4921-9

RECOMMENDED USE: Aerosol adhesive.

2 HAZARDS IDENTIFICATION

NOTE: DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.

POISONS SCHEDULE

Not a scheduled poison according to the criteria of SUSDP.

Symbols

F+ (Extremely Flammable)

N (Dangerous to Environment)

Risk Codes and Phrases

R12 Extremely flammable.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R51/53 Toxic to aquatic organisms. May cause long-term adverse
effects in the aquatic environment.

Safety Codes and Phrases

3M S2017 WARNING! Pressurised container. Protect from sunlight and do
not expose to temperatures exceeding 50C. Do not pierce or burn, even
after use. Do not spray on a naked flame or incandescent material.

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of the reach of children.

S51 Use only in well ventilated areas.

S23C Do not breathe vapour or spray.

S24 Avoid contact with skin.

S61 Avoid release to the environment.

3 COMPOSITION

Ingredient Name	CAS number	Percentage
DIMETHYL ETHER	115-10-6	35 - 45
PENTANE	109-66-0	20 - 30
NON-VOLATILE COMPONENTS	---	20 - 30
ACETONE	67-64-1	7 - 13
NAPHTHOL SPIRITS	64742-48-9	1 - 5
ISOPENTANE	78-78-4	0.2 - 0.2

4 FIRST AID MEASURES

EYE CONTACT

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

SKIN CONTACT

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

INHALATION

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

IF SWALLOWED

Do not induce vomiting unless instructed to do so by medical personnel. Give person two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5 FIRE FIGHTING MEASURES

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.

FIRE FIGHTING PROCEDURES

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

Combustion Products from Fire

Combustion Products from Fire are listed in Section 10, STABILITY AND REACTIVITY.

Special Instructions for Fire Fighting

Aerosol container contains flammable material under pressure.

HAZCHEM CODE

2YE

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.

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 area with fresh air. Contain spill. If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good occupational hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Seal the container. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified person. 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

Incompatibility - Materials to Avoid

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

Fire Avoidance

Extremely flammable liquid and vapour.

Explosion Avoidance

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

Precautions for Safe Handling

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.

Conditions for Safe Storage

Refer to Incompatibility - Materials to Avoid.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

DIMETHYL ETHER (115-10-6)

NATIONAL EXPOSURE STANDARDS: TWA: 400ppm, 760mg/m³. STEL: 500ppm, 950mg/m³.

PENTANE (109-66-0)

NATIONAL EXPOSURE STANDARDS: TWA: 600ppm, 1770mg/m³. STEL: 750ppm, 2210mg/m³.

ACETONE (67-64-1)

NATIONAL EXPOSURE STANDARDS: TWA: 500ppm, 1185mg/m³ STEL: 1000ppm, 2375mg/m³

NAPHTHOL SPIRITS (64742-48-9)

NATIONAL EXPOSURE STANDARDS: 3M, TWA: 100ppm.

Special Information, Exposure/Protection

The extent to which the following recommendations for exposure control and protection are observed should depend on the risk assessment undertaken for the specific conditions under which this product is used, including occupational hygiene measurements.

Recommended Ventilation

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.

Eye Protection

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337. 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

The following glove material(s) are recommended: Nitrile rubber. Polyvinyl alcohol.

Skin Protection

Avoid 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 vapour filters. If dusts, mists or sprays are present a particle filter will also be required. Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

Prevention of Accidental Ingestion

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

9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odour	Gas. Orange liquid in aerosol; sweet/fruity odour.
pH	Not determined
Boiling point	Not applicable
Melting point	Not determined
Flash point	-45.56 C TCC (Propellant)
Autoignition temperature	Not determined
Vapour pressure	Not determined
Water Solubility	NIL
Specific gravity	0.725

Vapour density	>= 2 (Air=1)
Volatile organic compounds (VOC) content	Approx. 66 % by wt
Evaporation rate	2 (Ether=1)
Viscosity	Not applicable
Flammable Limits - LEL	1 % VOL
Flammable Limits - UEL	Not determined
Percent Volatile	Approx. 78 % by wt

10 STABILITY AND REACTIVITY

Materials to Avoid
Heat.

Hazardous Decomposition Products
Aldehydes during combustion. Hydrocarbons during combustion. Carbon monoxide during combustion. Carbon dioxide during combustion. Ketones during combustion.

Stability
Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact
Moderate Eye Irritation: Signs/symptoms can include redness, swelling, pain, tearing and blurred or hazy vision.

Effects from Skin Contact
Mild Skin Irritation: Signs/symptoms may include localised 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.

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 diarrhoea.

Other Toxicological Information
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, uncoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

12 ECOLOGICAL INFORMATION

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. Disposal facilities must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.

Special Instructions for Disposal

Recycle empty aerosol containers where available.

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Disposal facilities must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes. Contact your local waste authority to determine suitable disposal methods.

14 TRANSPORT INFORMATION

ADG (Road/Rail)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
DANGEROUS GOODS CLASS	2.1
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED
HAZCHEM CODE	2YE
IERG	49

IATA (Airfreight)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
DANGEROUS GOODS CLASS	2.1
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IMDG (Seafreight)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
DANGEROUS GOODS CLASS	2.1

SUBSIDIARY RISK

NONE ALLOCATED

PACKING GROUP

NONE ALLOCATED

15 REGULATORY INFORMATION

Product Certifications

AICS - Yes: components checked

16 OTHER INFORMATION

REASON FOR REISSUE

Added/Deleted stock numbers.

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