

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

SECTION 1: Identification

1.1. Product identifier

3M(TM) Hi-Tack Spray Adhesive 76

Product Identification Numbers

62-4943-4920-2 62-4943-4921-0 62-4943-4950-9 62-4943-4955-8

1.2. Recommended use and restrictions on use

Intended Use

aerosol adhesive

Restrictions on use

Not applicable

1.3. Supplier's details

Company: 3M Canada Company

Division: Industrial Adhesives and Tapes Division

Address: 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1

Telephone: (800) 364-3577 **Website:** www.3M.ca

1.4. Emergency telephone number

Medical Emergency Telephone: (519) 451-2500, Ext. 2222; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Flammable Aerosol: Category 1. Gas Under Pressure: Liquefied gas.

Serious Eye Damage/Irritation: Category 2B.

Simple Asphyxiant.

Specific Target Organ Toxicity (single exposure): Category 1. Specific Target Organ Toxicity (single exposure): Category 3.

2.2. Label elements

Signal word

Danger

Symbols

Flame | Gas cylinder | Exclamation mark | Health Hazard |

Pictograms



Hazard statements

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

Causes eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May displace oxygen and cause rapid suffocation.

Causes damage to organs: cardiovascular system

Precautionary statements

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Call a POISON CENTRE or doctor/physician.

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Notes to Physician:

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

2.3. Other hazards

None known.

2% of the mixture consists of ingredients of unknown acute oral toxicity.

2% of the mixture consists of ingredients of unknown acute dermal toxicity.

3% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
Dimethyl ether	115-10-6	30 - 60 Trade Secret *	Methane, oxybis-

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Methyl acetate	79-20-9	10 - 30 Trade Secret *	Acetic acid, methyl ester
Non-hazardous components	Trade Secret	10 - 20	Not Applicable
Cyclohexane	110-82-7	7 - 13	Cyclohexane
1,1-Difluoroethane	75-37-6	1 - 5 Trade Secret *	Ethane, 1,1-difluoro-
Light petroleum distillates	64742-47-8	0.5 - 1.5	Distillates, petroleum, hydrotreated light
Petroleum naphtha	64742-48-9	0.5 - 1.5	Naphtha, petroleum, hydrotreated heavy

Non-hazardous components is a non-hazardous Trade Secret material according to WHMIS criteria.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. Get medical attention.

Skin Contact:

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

Eve Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

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

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

SubstanceConditionAldehydesDuring CombustionCarbon monoxideDuring CombustionCarbon dioxideDuring Combustion

5.3. Special protective actions for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

^{*}The actual concentration of this ingredient has been withheld as a trade secret.

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

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. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Cyclohexane	110-82-7	ACGIH	TWA:100 ppm	
Dimethyl ether	115-10-6	AIHA	TWA:1880 mg/m3(1000 ppm)	
Jet fuels (non-aerosol), as total hydrocarbon vapour	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	SKIN
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	SKIN
1,1-Difluoroethane	75-37-6	AIHA	TWA:2700 mg/m3(1000 ppm)	
Methyl acetate	79-20-9	ACGIH	TWA:200 ppm;STEL:250 ppm	

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

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 relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended: Butyl Rubber

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece supplied-air respirator

Organic vapor respirators may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Gas
Specific Physical Form: Aerosol

Appearance/Odour clear-amber, mild solvent odour

Odour thresholdNo Data AvailablepHNo Data AvailableMelting point/Freezing pointNo Data Available

Boiling point[Details: Compressed gas] Not Applicable

Flash Point

-40 °C [Test Method: Tagliabue Closed Cup]

Evaporation rate1.9 [Ref Std:ETHER=1]

Flammability (solid, gas)

Flammable Aerosol: Category 1.

Flammable Limits(LEL)

No Data Available
No Data Available
No Data Available

Vapour Pressure [Details: Compressed gas] Not Applicable

Vapour Density 2.97 [Ref Std:AIR=1]

Density 0.782 g/ml

Relative density 0.782 [*Ref Std:* WATER=1]

Water solubility

Solubility- non-waterNo Data AvailablePartition coefficient: n-octanol/ waterNo Data AvailableAutoignition temperatureNo Data AvailableDecomposition temperatureNot ApplicableViscosityNot Applicable

Volatile Organic Compounds <=428 g/l [*Test Method*:calculated SCAQMD rule 443.1]

Volatile Organic Compounds

Percent volatile VOC Less H2O & Exempt Solvents Solids Content [Details: low solids less exempts]
<=3.57 lb/gal [Test Method: calculated SCAQMD rule 443.1]
[Details: low solids less exempts]
Approximately 85 % weight
<=54.7 % [Test Method: calculated per CARB title 2]
7.1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Substance
None known.

Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

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. Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eve Contact:

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

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May cause additional health effects (see below).

Additional Health Effects:

Single exposure may cause target organ effects:

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

Single exposure, above recommended guidelines, may cause:

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

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Overall product Dermal No data available; calculated ATE >5,000 mg/kg Overall product Inhalation-Vapor(4 hr) No data available; calculated ATE >5,000 mg/kg Overall product Ingestion No data available; calculated ATE >5,000 mg/kg Dimethyl ether Inhalation-Gas (4 hours) Rat LC50 164,000 ppm Methyl acetate Dermal Rat LD50 > 2,000 mg/kg Methyl acetate Inhalation-Vapor (4 hours) Rat LC50 > 49 mg/l Methyl acetate Ingestion Rat LD50 > 5,000 mg/kg Cyclohexane Dermal Rat LD50 > 2,000 mg/kg Cyclohexane Inhalation-Vapor (4 hours) Rat LC50 > 32.9 mg/l Cyclohexane Inpestion Rat LC50 > 437,000 ppm Cyclohexane Ingestion Rat LC50 > 437,000 ppm Cyclohexane Ingestion Rat LD50 > 2,000 mg/kg I,1-Difluoroethane Ingestion Rat LD50 > 2,000 mg/kg Non-hazardous components Dermal Rabbit LD50 > 2,000 mg/kg Non-hazardous components Ingestion	Name	Route	Species	Value
Overall product Ingestion No data available; calculated ATE >5,000 mg/kg Dimethyl ether Inhalation-Gas (4 hours) Rat (Abours) LC50 164,000 ppm Methyl acetate Dermal Rat (LD50 ≥ 2,000 mg/kg Methyl acetate Inhalation-Vapor (4 hours) Rat (LD50 ≥ 2,000 mg/kg Methyl acetate Ingestion (Abours) Rat (LD50 ≥ 2,000 mg/kg Methyl acetate Ingestion (Abours) Rat (LD50 ≥ 2,000 mg/kg Cyclohexane Dermal (Abours) Rat (LD50 ≥ 2,000 mg/kg Cyclohexane Inhalation-Vapor (4 hours) Rat (LC50 > 32.9 mg/l) Cyclohexane Inhalation-Vapor (Abours) Rat (LC50 > 32.9 mg/l) Cyclohexane Inhalation-Vapor (Abours) Rat (LC50 > 437,000 ppm Cyclohexane Inhalation-Vapor (Abours) Rat (LC50 > 437,000 ppm I,1-Difluoroethane Ingestion (Abours) Rat (LC50 > 2,000 mg/kg I,1-Difluoroethane Ingestion (Abours) Rat (LD50 > 2,000 mg/kg Non-hazardous components Dermal (Abours) Rat (LD50 > 2,000 mg/kg Non-hazardous components Inhalation-Vapor (Abours) LC50 estimated to be 20 - 50 mg/l Light petro	Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Dimethyl ether	Overall product			No data available; calculated ATE >50 mg/l
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dimethyl ether	Gas (4	Rat	LC50 164,000 ppm
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methyl acetate	Dermal	Rat	LD50 > 2,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methyl acetate	Vapor (4	Rat	LC50 > 49 mg/l
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Methyl acetate	Ingestion	Rat	LD50 > 5,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Cyclohexane	Dermal	Rat	LD50 > 2,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Cyclohexane	Vapor (4	Rat	LC50 > 32.9 mg/l
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Cyclohexane	Ingestion	Rat	LD50 6,200 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1-Difluoroethane	Gas (4	Rat	LC50 > 437,000 ppm
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,1-Difluoroethane	Ingestion	Rat	LD50 > 1,500 mg/kg
Petroleum naphtha Inhalation-Vapor LC50 estimated to be 20 - 50 mg/l Light petroleum distillates Dermal Rabbit LD50 > 3,160 mg/kg Petroleum naphtha Dermal Rabbit LD50 > 3,000 mg/kg Light petroleum distillates Inhalation-Dust/Mist (4 hours) Rat LC50 > 3 mg/l Light petroleum distillates Ingestion Rat LD50 > 5,000 mg/kg	Non-hazardous components	Dermal	Rabbit	LD50 > 2,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Non-hazardous components	Ingestion	Rat	LD50 > 5,000 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Petroleum naphtha			LC50 estimated to be 20 - 50 mg/l
Light petroleum distillates $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Light petroleum distillates	Dermal	Rabbit	LD50 > 3,160 mg/kg
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Petroleum naphtha	Dermal	Rabbit	LD50 > 3,000 mg/kg
Light petroleum distillates Ingestion Rat LD50 > 5,000 mg/kg	Light petroleum distillates	Dust/Mist	Rat	LC50 > 3 mg/l
	Light netroleum distillates		Rat	I D50 > 5 000 mg/kg
	Petroleum naphtha	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Skiii Cuttusiuii/1111tatiuii				
Name	Species	Value		
Methyl acetate	Rabbit	No significant irritation		
Cyclohexane	Rabbit	Mild irritant		

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Non-hazardous components	Professio	No significant irritation
	nal	
	judgeme	
	nt	
Light petroleum distillates	Rabbit	Mild irritant
Petroleum naphtha	Rabbit	Irritant

Serious Eve Damage/Irritation

Serious Eje Euminge/Irrieneren		
Name	Species	Value
Methyl acetate	Rabbit	Moderate irritant
Cyclohexane	Rabbit	Mild irritant
Light petroleum distillates	Rabbit	Mild irritant
Petroleum naphtha	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
Methyl acetate	Human	Not classified
Light petroleum distillates	Guinea	Not classified
	pig	
Petroleum naphtha	Guinea	Not classified
	pig	

Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Dimethyl ether	In Vitro	Not mutagenic
Dimethyl ether	In vivo	Not mutagenic
Methyl acetate	In Vitro	Not mutagenic
Methyl acetate	In vivo	Not mutagenic
Cyclohexane	In Vitro	Not mutagenic
Cyclohexane	In vivo	Some positive data exist, but the data are not
		sufficient for classification
1,1-Difluoroethane	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
1,1-Difluoroethane	In vivo	Some positive data exist, but the data are not
		sufficient for classification
Light petroleum distillates	In Vitro	Not mutagenic
Petroleum naphtha	In vivo	Not mutagenic
Petroleum naphtha	In Vitro	Some positive data exist, but the data are not
		sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Dimethyl ether	Inhalation	Rat	Not carcinogenic
1,1-Difluoroethane	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification
Light petroleum distillates	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Petroleum naphtha	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Petroleum naphtha	Inhalation	Human and animal	Some positive data exist, but the data are not sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name Route Value Specie	es Test result	Exposure Duration
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Dimethyl ether	Inhalation	Not classified for development	Rat	NOAEL 40,000 ppm	during organogenesi
Cyclohexane	Inhalation	Not classified for female reproduction	Rat	NOAEL 24 mg/l	2 generation
Cyclohexane	Inhalation	Not classified for male reproduction	Rat	NOAEL 24 mg/l	2 generation
Cyclohexane	Inhalation	Not classified for development	Rat	NOAEL 6.9 mg/l	2 generation
1,1-Difluoroethane	Inhalation	Not classified for development	Rat	NOAEL 50,000 ppm	during organogenesi s
Petroleum naphtha	Inhalation	Not classified for development	Rat	NOAEL 2.4 mg/l	during organogenesi s

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Dimethyl ether	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Rat	LOAEL 10,000 ppm	30 minutes
Dimethyl ether	Inhalation	cardiac sensitization	Some positive data exist, but the data are not sufficient for classification	Dog	NOAEL 100,000 ppm	5 minutes
Methyl acetate	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Methyl acetate	Inhalation	respiratory irritation	May cause respiratory irritation	Human and animal	NOAEL Not available	
Methyl acetate	Inhalation	blindness	Not classified		NOAEL Not available	
Methyl acetate	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
Cyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Cyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human and animal	NOAEL Not available	
Cyclohexane	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professio nal judgeme nt	NOAEL Not available	
1,1-Difluoroethane	Inhalation	cardiac sensitization	Causes damage to organs	Human and animal	NOAEL Not available	poisoning and/or abuse
1,1-Difluoroethane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL 100,000 ppm	
1,1-Difluoroethane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL Not available	not available
Light petroleum distillates	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Light petroleum distillates	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Light petroleum distillates	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professio nal judgeme nt	NOAEL Not available	
Petroleum naphtha	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and	NOAEL Not available	

D 0 0 40

				animal		
Petroleum naphtha	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Petroleum naphtha	Inhalation	nervous system	Not classified	Dog	NOAEL 6.5 mg/l	4 hours
Petroleum naphtha	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professio nal judgeme nt	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Dimethyl ether	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 25,000 ppm	2 years
Dimethyl ether	Inhalation	liver	Not classified	Rat	NOAEL 20,000 ppm	30 weeks
Methyl acetate	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.1 mg/l	28 days
Methyl acetate	Inhalation	endocrine system hematopoietic system liver immune system kidney and/or bladder	Not classified	Rat	NOAEL 6.1 mg/l	28 days
Cyclohexane	Inhalation	liver	Not classified	Rat	NOAEL 24 mg/l	90 days
Cyclohexane	Inhalation	auditory system	Not classified	Rat	NOAEL 1.7 mg/l	90 days
Cyclohexane	Inhalation	kidney and/or bladder	Not classified	Rabbit	NOAEL 2.7 mg/l	10 weeks
Cyclohexane	Inhalation	hematopoietic system	Not classified	Mouse	NOAEL 24 mg/l	14 weeks
Cyclohexane	Inhalation	peripheral nervous system	Not classified	Rat	NOAEL 8.6 mg/l	30 weeks
1,1-Difluoroethane	Inhalation	hematopoietic system kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 25,000 ppm	2 years
Petroleum naphtha	Inhalation	nervous system	Not classified	Rat	LOAEL 4.6 mg/l	6 months
Petroleum naphtha	Inhalation	kidney and/or bladder	Not classified	Rat	LOAEL 1.9 mg/l	13 weeks
Petroleum naphtha	Inhalation	respiratory system	Not classified	Multiple animal species	NOAEL 0.6 mg/l	90 days
Petroleum naphtha	Inhalation	bone, teeth, nails, and/or hair blood liver muscles	Not classified	Rat	NOAEL 5.6 mg/l	12 weeks
Petroleum naphtha	Inhalation	heart	Not classified	Multiple animal species	NOAEL 1.3 mg/l	90 days

Aspiration Hazard

	110011 W1011 11W2W1 W						
ı	Name	Value					
	Cyclohexane	Aspiration hazard					
	Light petroleum distillates	Aspiration hazard					
	Petroleum naphtha	Aspiration hazard					

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

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No data available.

SECTION 13: Disposal considerations

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

SECTION 16: Other information

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.

Health: 2 Flammability: 4 Instability: 1 Special Hazards: None

Aerosol Storage Code: 3

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.

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