



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M Scotch-Weld Tape Primer 83

Product identification numbers

FS-9100-4436-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial use.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

E Mail: tox.uk@mmm.com

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Indication of danger

Highly flammable.

Dangerous to environment.

Irritant.

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbols

3M Scotch-Weld Tape Primer 83

F Highly flammable.
Xi Irritant.
N Dangerous to environment.

Contains:

No ingredients are assigned to the label.

Risk phrases

R11 Highly flammable.
R36 Irritating to eyes.
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 phrases

S16 Keep away from sources of ignition - No Smoking.
S24 Avoid contact with skin.
S23C Do not breathe vapour or spray.
S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Notes on labelling

R65 is not required on the label due to the product's viscosity.

Nota P applied to CASRN 64742-49-0.

The classification of CASRN 64742-49-0 can vary depending on the exact refining history. Based on information from the vendor, CASRN 64742-49-0 is classified as N; R51/53, in addition to the classifications already noted in Section 3.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Naphtha Light (Petroleum) Distillate	64742-49-0	EINECS 265-151-9	10 - 30	Xn:R65 - Nota 4,H,P (EU) F:R11 (Vendor) R66; R67 (Self Classified) Asp. Tox. 1, H304 - Nota H,P (CLP) Flam. Liq. 2, H225 (Vendor) STOT SE 3, H336 (Self Classified)
Hydrogenated Rosin Ester	65997-13-9	EINECS 266-042-9	10 - 30	
Acetone	67-64-1	EINECS 200-662-2	10 - 30	F:R11; Xi:R36; R66; R67 (EU) Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 (CLP)
Butanone	78-93-3	EINECS 201-159-0	10 - 30	F:R11; Xi:R36; R66; R67 (EU) Flam. Liq. 2, H225; Eye Irrit. 2,

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				H319; STOT SE 3, H336 (CLP)
Terpene polymer	Trade Secret		5 - 10	R53 (Self Classified)
Styrene-Butadiene Polymer	9003-55-8		5 - 10	
Methylcyclohexane	108-87-2	EINECS 203-624-3	5 - 10	F:R11; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 2, H411 (CLP)

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Inhalation

Remove person to fresh air. If you feel unwell, 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

Not applicable

SECTION 5: Fire-fighting measures**5.1. Extinguishing media**

In case of fire: Use a carbon dioxide or dry chemical extinguisher for extinction.

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**Substance**

Aldehydes.
Hydrocarbons.
Carbon monoxide.
Carbon dioxide.
Ketones.

Condition

During combustion.
During combustion.
During combustion.
During combustion.
During combustion.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Evacuate area. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate the area with fresh air.

6.2. Environmental precautions

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Collect as much of the spilled material as possible using non-sparking tools. Cover spill area with a fire-extinguishing foam. An appropriate 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. Seal the container.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid eye contact. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Avoid breathing 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 release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes.

7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from oxidising agents. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Acetone	67-64-1	Health and Safety Comm. (UK)	TWA:1210 mg/m ³ (500 ppm);STEL:3620 mg/m ³ (1500 ppm)	

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Butanone	78-93-3	Health and Safety Comm. (UK)	TWA: 600 mg/m ³ (200 ppm); STEL: 899 mg/m ³ (300 ppm)	Skin Notation
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Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CELL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

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. Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Wear eye/face protection.

The following eye protection(s) are recommended: Safety glasses with side shields.

Indirect vented goggles.

Skin/hand protection

Wear protective gloves.

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

Polymer laminate

Respiratory protection

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half face piece or full face air-purifying respirator with organic vapour cartridges.

Half facepiece or fullface pressure demand self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Appearance/Odour	amber coloured, ketone odour.
pH	<i>Not applicable.</i>
Boiling point/boiling range	≥ 56 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Flammable Liquid: Category 2.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	≥ -20 °C [<i>Test Method</i> :Closed Cup]
Autoignition temperature	≥ 254 °C
Flammable Limits(LEL)	1 % volume
Flammable Limits(UEL)	12.8 % volume
Vapour pressure	$\leq 24,664.6$ Pa [<i>@ 20 °C</i>]
Relative density	0.845 [<i>Ref Std</i> :WATER=1]

Water solubility	Negligible
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	≥ 2.0 [<i>Ref Std: AIR=1</i>]
Viscosity	100 - 160 MPa-s [<i>@ 23 °C</i>]
Density	0.845 g/ml

9.2. Other information

Hazardous air pollutants	≤ 0.1 % weight
Volatile organic compounds (VOC)	<i>No data available.</i>
Percent volatile	60 - 70 %
VOC less H₂O & exempt solvents	<i>No data available.</i>

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 polymerisation will not occur.

10.4 Conditions to avoid

Sparks and/or flames.

Heat.

10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

10.6 Hazardous decomposition products**Substance****Condition**

None known.

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 labelling, 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:

Eye contact

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Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Skin contact

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

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause target organ effects after inhalation.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

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.

Toxicological Data**Acute Toxicity**

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg	Not classified (0% unknown)
Acetone	Dermal	Rabbit	LD50 > 15,688 mg/kg	Not classified
Acetone	Inhalation-Vapor (4 hours)	Rat	LC50 76 mg/l	Not classified
Acetone	Ingestion	Rat	LD50 5,800 mg/kg	Not classified
Butanone	Dermal	Rabbit	LD50 8,001 mg/l	Not classified
Butanone	Inhalation-Vapor (4 hours)	Rat	LC50 35 mg/kg	Category5
Butanone	Ingestion	Rat	LD50 2,737 mg/kg	Category5
Hydrogenated Rosin Ester	Ingestion	Rat	LD50 > 2,000 mg/kg	Not classified
Naphtha Light (Petroleum) Distillate	Dermal	Rabbit	LD50 > 3,160 mg/kg	Not classified
Naphtha Light (Petroleum) Distillate	Inhalation-Vapor (4 hours)	Rat	LC50 > 14.7 mg/l	Not classified
Naphtha Light (Petroleum) Distillate	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
Methylcyclohexane	Inhalation-Vapor (4 hours)	Mouse	LC50 26 mg/l	Category5
Methylcyclohexane	Dermal	Rabbit	LD50 > 86,700 mg/kg	Not classified
Methylcyclohexane	Ingestion	Rat	LD50 > 3,200 mg/kg	Not classified
Styrene-Butadiene Polymer	Dermal	Rabbit	LD50 > 2,000 mg/kg	Not classified
Styrene-Butadiene Polymer	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
Terpene polymer	Dermal		LD50 estimated to be > 5,000 mg/kg	Not classified
Terpene polymer	Ingestion	Rat	LD50 > 2,000 mg/kg	Category5

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be mild irritant	Category 3
Acetone		Minimal irritation	Not classified
Butanone		Minimal irritation	Not classified
Hydrogenated Rosin Ester		No data available	
Naphtha Light (Petroleum) Distillate		Mild irritant	Category 3
Methylcyclohexane		Minimal irritation	Not classified

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Styrene-Butadiene Polymer		No significant irritation	Not classified
Terpene polymer		No data available	

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be severe irritant	Category 2A
Acetone	Rabbit	Severe irritant	Category 2A
Butanone		Moderate irritant	Category 2B
Hydrogenated Rosin Ester		No data available	
Naphtha Light (Petroleum) Distillate		Mild irritant	Not classified
Methylcyclohexane		Mild irritant	Not classified
Styrene-Butadiene Polymer		No data available	
Terpene polymer		No data available	

Skin Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Acetone		No data available	
Butanone		No data available	
Hydrogenated Rosin Ester		No data available	
Naphtha Light (Petroleum) Distillate		Not sensitizing	Not classified
Methylcyclohexane		No data available	
Styrene-Butadiene Polymer		No data available	
Terpene polymer		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Acetone		No data available	
Butanone		No data available	
Hydrogenated Rosin Ester		No data available	
Naphtha Light (Petroleum) Distillate		No data available	
Methylcyclohexane		No data available	
Styrene-Butadiene Polymer		No data available	
Terpene polymer		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Acetone	In vivo	Some positive data exist, but the data are not sufficient for classification	Not classified
Butanone	In Vitro	Not mutagenic	Not classified
Hydrogenated Rosin Ester		No data available	
Naphtha Light (Petroleum) Distillate	In Vitro	Not mutagenic	Not classified
Methylcyclohexane		No data available	
Styrene-Butadiene Polymer		No data available	
Terpene polymer		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
Acetone	Not specified.		Not carcinogenic	Not classified

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Butanone	Inhalation		Not carcinogenic	Not classified
Hydrogenated Rosin Ester			No data available	
Naphtha Light (Petroleum) Distillate	Inhalation		Some positive data exist, but the data are not sufficient for classification	Not classified
Methylcyclohexane	Inhalation		Not carcinogenic	Not classified
Styrene-Butadiene Polymer			No data available	
Terpene polymer			No data available	

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		No test data available.				Not classified based on component data
Acetone	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 1,700 mg/kg/day		
Acetone	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 5.2 mg/l		
Butanone	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOAEL 8.8 mg/l		
Hydrogenated Rosin Ester		No data available				
Naphtha Light (Petroleum) Distillate	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL 3,000 ppm		
Methylcyclohexane		No data available				
Styrene-Butadiene Polymer		No data available				
Terpene polymer		No data available				

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Acetone	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	LOAEL 0.6 mg/l		Category 3
Acetone	Inhalation	respiratory irritation	Some positive data exist, but	Human	Irritation Positive		Not classified

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			the data are not sufficient for classification				
Acetone	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.6 mg/l		Not classified
Acetone	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		LOEL 24 mg/l		Not classified
Acetone	Inhalation	immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.6 mg/l		Not classified
Acetone	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL N/A		Category 3
Butanone	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 29 mg/l		Category 3
Butanone	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Butanone	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,500 mg/kg/day		Not classified
Butanone	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 1,080 mg/kg		Not classified
Hydrogenated Rosin Ester			No data available				
Naphtha Light (Petroleum) Distillate	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Naphtha Light (Petroleum) Distillate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Naphtha Light (Petroleum) Distillate	Ocular	lacrimation	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm		Not classified
Methylcyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3

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Methyleyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Styrene-Butadiene Polymer			No data available				
Terpene polymer			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Not classified based on component data
Acetone	Dermal	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL N/A		Not classified
Acetone	Inhalation	hematopoietic system immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.6 mg/l		Not classified
Acetone	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 119 mg/l		Not classified
Acetone	Inhalation	heart	All data are negative		NOAEL 19,000 ppm		Not classified
Acetone	Inhalation	liver	All data are negative		NOAEL 45 mg/l		Not classified
Acetone	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification		LOEL 2,500 mg/kg/day		Not classified
Acetone	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 200 mg/kg/day		Not classified
Acetone	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 1,579 mg/kg/day		Not classified
Acetone	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 900 mg/kg/day		Not classified
Acetone	Ingestion	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL N/A		Not classified
Acetone	Ingestion	skin	All data are negative		NOAEL 11,298 mg/kg/day		Not classified
Acetone	Ingestion	bone, teeth, nails, and/or hair	All data are negative		NOAEL 11,298 mg/kg		Not classified
Acetone	Ingestion	muscles	All data are negative		NOAEL 2,500		Not classified

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					mg/kg		
Acetone	Ingestion	eyes	All data are negative		NOAEL 11,298 mg/kg/day		Not classified
Butanone	Dermal	nervous system	All data are negative		NOAEL 2		Not classified
Butanone	Inhalation	liver kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 14.7 mg/l		Not classified
Butanone	Inhalation	heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system muscles	All data are negative		NOAEL 14.7 mg/l		Not classified
Butanone	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,500 mg/kg/day		Not classified
Butanone	Ingestion	nervous system	All data are negative		NOAEL 173 mg/kg/day		Not classified
Hydrogenated Rosin Ester			No data available				
Naphtha Light (Petroleum) Distillate	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 100 ppm		Not classified
Naphtha Light (Petroleum) Distillate	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		LOEL 900 ppm		Not classified
Naphtha Light (Petroleum) Distillate	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 3,000 ppm		Not classified
Naphtha Light (Petroleum) Distillate	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 900 ppm		Not classified
Naphtha Light (Petroleum) Distillate	Inhalation	hematopoietic system	All data are negative		NOEL 0.23 mg/l		Not classified
Naphtha Light (Petroleum) Distillate	Inhalation	central nervous system peripheral nervous system	All data are negative		NOEL 9,000 ppm		Not classified
Naphtha Light (Petroleum) Distillate	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified

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Methylcyclohexane	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOAEL 1,200 ppm		Not classified
Methylcyclohexane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 1.6 mg/l		Not classified
Styrene-Butadiene Polymer			No data available				
Terpene polymer			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Acetone	Not an aspiration hazard	Not classified
Butanone	Not an aspiration hazard	Not classified
Hydrogenated Rosin Ester	Not an aspiration hazard	Not classified
Naphtha Light (Petroleum) Distillate	Aspiration hazard	Category 1
Methylcyclohexane	Aspiration hazard	Category 1
Styrene-Butadiene Polymer	Not an aspiration hazard	Not classified
Terpene polymer	Not an aspiration hazard	Not classified

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

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Acute aquatic hazard:**

GHS Acute 2: Toxic to aquatic life with long lasting effects.

Chronic aquatic hazard:

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.

No component test data available.

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

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

Incinerate in a permitted waste incineration facility.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances
20 01 27* Paint, inks, adhesives and resins containing dangerous substances

SECTION 14: Transportation information

FS-9100-4436-1

ADR/RID: UN1133, ADHESIVES, LIMITED QUANTITY, 3., II , (--), ADR Classification Code: F1.

IMDG-CODE: UN1133, ADHESIVES, (HYDROTREATED LIGHT NAPHTHA (PETROLEUM)), 3, II , LIMITED QUANTITY, Marine Pollutant, (HYDROTREATED LIGHT NAPHTHA (PETROLEUM)), EMS: FE,SD.

ICAO/IATA: UN1133, ADHESIVES, 3., II .

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity****Ingredient**

Styrene-Butadiene Polymer

CAS Nbr

9003-55-8

Classification

Gr. 3: Not classifiable

Regulation

International Agency
for Research on Cancer

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information**List of relevant H statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

List of relevant R-phrases

R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Revision information:

Revision Changes:

Section 8: Skin protection - recommended gloves information was modified.

Risk phrase was modified.

Safety phrase was modified.

Section 9: pH information was modified.

Supersedes date text was modified.

Section 1: Main heading was modified.

Section 1: 1.1.product identifier heading was modified.

Section 1: 1.2. Relevant identified uses of the substance or mixture and uses advised against heading was modified.

Section 1: 1.3. Details of the supplier of the substance or mixture heading was modified.

Section 1: 1.4. Emergency telephone number heading was modified.

Section 2: Main heading was modified.

Section 3: Main heading was modified.

Section 4: Main heading was modified.

Section 5: 5.1. Extinguishing media heading was modified.

Section 5: Main heading was modified.

Section 5: 5.3. Advice for fire-fighters was modified.

Section 5: 5.2. Special hazards arising from the substance or mixture heading was modified.

Section 6: 6.3. Methods and material for containment and cleaning up was modified.

Section 6: 6.2. Environmental precautions heading was modified.

Section 6: Main heading was modified.

Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was modified.

Section 7: Main heading was modified.

Section 8: Main heading was modified.

Section 8: 8.1. Control parameters heading was modified.

Section 8: 8.2.1 Engineering controls heading was modified.

Section 9: Main heading was modified.

Section 9: 9.1. Information on basic physical and chemical properties heading was modified.

Section 9: 9.2. Other information heading was modified.

Section 3: Composition table % by Wt Column heading was modified.

Section 10: Main heading was modified.

Section 11: Main heading was modified.

Section 12: Main heading was modified.

Section 13: Main heading was modified.

Section 14: Main heading was modified.

Section 15: Main heading was modified.

Section 16: Main heading was modified.

Section 2: Symbol was modified.

Section 16: UK disclaimer was modified.
Section 1: Product identification numbers heading was modified.
Section 1: Product identification numbers was modified.
Section 9: Evaporation Rate information was modified.
Section 9: Viscosity information was modified.
Section 16: List of relevant R phrase information was modified.
Section 3: Composition/ Information of ingredients table was modified.
Section 9: n-octanol/water coefficient information was modified.
Section 9: Boiling point information was modified.
Section 9: Relative density information was modified.
Section 9: Solubility in water text was modified.
Section 8: Skin/hand protection heading was modified.
Section 12: 12.1. Toxicity heading was modified.
Section 12: 12.4 Mobility in soil heading was modified.
Section 12: Contact manufacturer for more detail. was modified.
Section 12: 12.2. persistence and degradability heading was modified.
Section 12: 12.3. Bioaccumulative potential heading was modified.
Section 12: 12.5. Results of the PBT and vPvB assessment was modified.
Section 12: 12.6. Other adverse effects was modified.
Section 13: EU waste code (product as sold) information was modified.
Section 9: Flammability (solid, gas) information was modified.
Section 9: Explosive properties information was modified.
Section 9: Oxidising properties information was modified.
Section 2: Other hazards phrase was modified.
Section 2: Label remarks was modified.
Section 1: Address was modified.
Copyright was modified.
Section 9: Flash point information was modified.
Section 9: Melting point information was modified.
Section 9: Flammable limits (LEL) information was modified.
Section 9: Flammable limits (UEL) information was modified.
Section 9: Vapour density value was modified.
Section 9: Vapour pressure value was modified.
Section 9: Density information was modified.
Section 9: Property description for optional properties was modified.
Section 8: Occupational exposure limit table was modified.
Section 8: mg/m³ key was modified.
Section 4: First aid for skin contact heading was added.
Section 4: First aid for eye contact heading was added.
Section 4: First aid for ingestion (swallowing) heading was added.
Section 4: First aid for inhalation heading was added.
Section 15: Carcinogenicity heading was added.
Section 15: Carcinogenicity information was added.
Section 15: Carcinogenicity table Regulation column heading was added.
Section 15: Carcinogenicity table Ingredient column heading was added.
Section 15: Carcinogenicity table CAS No column heading was added.
Section 15: Carcinogenicity table Classification column heading was added.
Section 12: Acute aquatic hazard information was added.
Section 12: Chronic aquatic hazard heading was added.
Section 12: Acute aquatic hazard heading was added.
Section 12: Chronic aquatic hazard information was added.
Company logo was added.
Telephone header was added.
Section 8: OEL table CAS No Column heading was added.
Company Telephone was added.
Section 11: Information on Toxicological effects heading was added.

Section 11: Signs and Symptoms of Exposure heading was added.
Section 11: Acute Toxicity table heading was added.
Section 11: Acute Toxicity table ATE text was added.
Aspiration Hazard Table was added.
Section 11: Aspiration table heading was added.
Section 11: Acute Toxicity table was added.
Section 11: Classification disclaimer was added.
Section 11: Additional toxicological information statement was added.
Section 11: Health effects heading was added.
Carcinogenicity Table was added.
Section 11: Carcinogenicity table heading was added.
Section 11: Exposure Duration table heading was added.
Section 11: Serious Eye Damage/Irritation table heading was added.
Serious Eye Damage/Irritation Table was added.
Germ Cell Mutagenicity Table was added.
Section 11: Germ Cell Mutagenicity table heading was added.
Section 11: Target Organ Effects heading was added.
Skin Sensitisation Table was added.
Respiratory Sensitisation Table was added.
Section 11: Name table heading was added.
Section 11: Reproductive and/or Developmental table heading was added.
Reproductive Toxicity Table was added.
Section 11: Reproductive Toxicity table heading was added.
Section 11: Respiratory Sensitisation table heading was added.
Section 11: Route table heading was added.
Skin Corrosion/Irritation Table was added.
Section 11: Skin Sensitisation table heading was added.
Section 11: Species table heading was added.
Section 11: Test Result table heading was added.
Section 11: Target Organs table heading was added.
Section 11: Target Organs - Repeated Exposure table heading was added.
Target Organs - Repeated Table was added.
Section 11: Target Organs - Single Exposure table heading was added.
Target Organs - Single Table was added.
Section 11: Toxicological Data heading was added.
Section 11: UN GHS Classification table heading was added.
Section 11: Value table heading was added.
Section 11: Health Effects - Eye information was added.
Section 11: Health Effects - Skin information was added.
Section 11: Health Effects - Inhalation information was added.
Section 11: Health Effects - Ingestion information was added.
Section 11: Health Effects - Other information was added.
Section 11: Skin Corrosion/Irritation table heading was added.
Section 1: Identified uses header was added.
Section 3: Reference to R and H statement explanation in Section 16 was added.
Section 3: Disclosure Statement was added.
Section 12: Classification Warning was added.
Section 12: No PBT/vPvB information available warning was added.
Section 2: 2.1. Classification of the substance or mixture heading was added.
Section 2: 2.2. Label elements heading was added.
Section 2: 2.3. Other hazards heading was added.
Section 2: 2.2 & 2.3. DSD/DPD heading was added.
Section 5: Hazardous combustion products heading was added.
Section 5: Hazardous combustion products table was added.
Section 5: Fire - Extinguishing media information was added.
Section 5: Fire - Special hazards information was added.

Section 5: Fire - Advice for fire fighters information was added.
Section 6: 6.4. Reference to other sections heading was added.
Section 6: Accidental release personal information was added.
Section 6: Accidental release environmental information was added.
Section 6: Accidental release clean-up information was added.
Refer to Section 8 and Section 13 for more information was added.
Section 7: 7.1. Precautions for safe handling header was added.
Section 7: 7.2. Conditions for safe storage including any incompatibilities header was added.
Section 7: 7.3. Specific end use(s) header was added.
Section 7: More information statement was added.
Section 7: Precautions safe handling information was added.
Section 7: Conditions safe storage was added.
Section 8: 8.1. OEL table heading was added.
Section 8: 8.2.2. Personal protective equipment (PPE) heading was added.
Section 8: Appropriate Engineering controls information was added.
Section 8: Personal Protection - Eye information was added.
Section 8: Personal Protection - Skin/hand information was added.
Section 10: 10.1. Reactivity heading was added.
Section 10: 10.2. Chemical stability heading was added.
Section 10: 10.3. Possibility of hazardous reactions heading was added.
Section 10: 10.4. Conditions to avoid heading was added.
Section 10: 10.5. Incompatible materials heading was added.
Section 10: 10.6 Hazardous decomposition products was added.
Section 10: Hazardous decomposition or by-products table was added.
Section 10.1: Reactivity information was added.
Section 13: 13.1. Waste treatment method heading was added.
Section 13: 13.1. Waste disposal note was added.
Section 13: Standard Phrase Category Waste GHS was added.
Section 4: 4.1. Description of first aid measures heading was added.
Section 4: 4.2. Most important symptoms and effects, both acute and delayed was added.
Section 4: 4.3. Indication of any immediate medical attention and special treatment required heading was added.
Section 4: First aid for eye contact information was added.
Section 4: First aid for skin contact information was added.
Section 4: First aid for inhalation information was added.
Section 4: First aid for ingestion (swallowing) information was added.
Section 4: First Aid –notes to physician (REACH/GHS) was added.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was added.
Section 16: List of relevant H statements heading was added.
Section 4:4.2. Information on toxicological effects text was added.
Section 8: 8.2. Exposure controls heading was added.
Section 10: 10.6. Hazardous decomposition products table column 1 heading was added.
Section 10: 10.6. Hazardous decomposition products table column 2 heading was added.
Section 15: 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture heading was added.
Section 15: 15.2. Chemical Safety Assessment was added.
A chemical safety assessment has been carried out for the relevant substances in this material by the registrant in accordance with regulation REGULATION (EC) No 1907/2006 was added.
Section 11: Potential effects from eye contact heading was added.
Section 11: Potential effects from skin contact heading was added.
Section 11: Potential effects from inhalation heading was added.
Section 11: Potential effects from ingestion heading was added.
Section 9: Autoignition temperature information was added.
Section 7: Handling heading was deleted.
Company Logo was deleted.
Section 3: Potential effects from eye contact heading was deleted.

Section 3: Potential effects from skin contact heading was deleted.
Section 3: Potential effects from inhalation heading was deleted.
Section 3: Potential effects from ingestion heading was deleted.
Section 4: First aid for eye contact - decontamination - was deleted.
Section 4: First aid for eye contact - medical assistance - was deleted.
Section 5: Extinguishing media information was deleted.
Section 7: Storage heading was deleted.
Section 8: Engineering controls information was deleted.
Section 8: Prevention of swallowing information was deleted.
Section 10: Hazardous decomposition or by-products table was deleted.
Section 13: Waste disposal method heading was deleted.
Section 13: Waste disposal method information was deleted.
Section 4: First aid for skin contact - termination of exposure - was deleted.
Section 4: First aid for skin contact - decontamination - was deleted.
Section 4: First aid for skin contact - medical assistance - was deleted.
Section 4: First aid for skin contact - handling - was deleted.
Section 4: First aid for inhalation - termination of exposure - was deleted.
Section 4: First aid for inhalation - medical assistance - was deleted.
Section 4: First aid for ingestion (swallowing) - decontamination - was deleted.
Section 4: First aid for ingestion (swallowing) - intervention - was deleted.
Section 4: First aid for ingestion (swallowing) - medical assistance - was deleted.
Section 3: Other health effects information was deleted.
Section 6: Release measures note was deleted.
Section 8: Respiratory protection - recommended respirators guide was deleted.
Section 8: Skin protection - protective clothing text was deleted.
Section 3: Ingredient phrase was deleted.
First Aid text was deleted.
Section 2 Risk phrases heading was deleted.
Section 5: Unsuitable extinguishing media heading was deleted.
Section 8: Hand Protection heading was deleted.
Section 8: Environmental exposure controls no data available text was deleted.
Section 8: Exposure controls heading was deleted.
Section 8: 8.2.3. Environmental exposure controls heading was deleted.
Section 9: Important health safety and environmental information heading was deleted.
Section 10.1 Conditions to avoid heading was deleted.
Section 10.2 Materials to avoid heading was deleted.
Section 10: Hazardous decomposition products heading was deleted.
Section 2: Risk phrase information was deleted.
Section 11: Other Health Effects heading was deleted.
Section 16: Restrictions on use heading was deleted.
Section 7: Handling information was deleted.
Section 7: Storage information was deleted.
Section 8: Prevention of swallowing heading was deleted.
Section 8: Eye/face protection information was deleted.
Section 8: Respiratory protection information was deleted.
Section 8: Skin protection information was deleted.
Section 5: Unusual fire and explosion hazard information was deleted.
Section 5: Fire fighting procedures information was deleted.
Section 11: Potential effects from eye contact information was deleted.
Section 11: Potential respiratory effects information was deleted.
Section 11: Potential effects from ingestion information was deleted.
Section 11: Potential effects from skin contact information was deleted.
Section 12: No data available information was deleted.
Section 12: Environmental risk information was deleted.
Section 6: Personal precautions information was deleted.
Section 6: Environmental procedures information was deleted.

Section 6: Methods for cleaning up information was deleted.

Section 2: Other hazards heading was deleted.

Reference to R phrase explanation in Section 16 was deleted.

Section 2: Special provisions concerning the labelling of certain substances heading was deleted.

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