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MATERIAL SAFETY DATA SHEET

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

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1 PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME

3M(TM) SCOTCH-WELD(TM) NEOPRENE HIGH PERFORMANCE CONTACT ADHESIVE 1357

DIVISION

AD - Industrial Adhesive and Tapes.

3M Product ID

62-1357-2630-5, 9120157, 9139288, 9075789, 9133026, 62-1357-2631-3,  
62-1357-5530-4, 62-1357-5535-3, 62-1357-6530-3, 62-1357-7530-2,  
62-1357-8530-1, 62-1357-8540-0, 62-1357-9530-0, 62-1357-9531-8,  
62-1357-9532-6, 78-8990-0393-9

RECOMMENDED USE: Adhesive.

For industrial or professional use only.

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2 HAZARDS IDENTIFICATION

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NOTE: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

POISONS SCHEDULE

This product has not been assessed for poisons scheduling as the product is intended for industrial and professional use only.

Symbols

F (Highly Flammable) Xn (Harmful) N (Dangerous to Environment)

Risk Codes and Phrases

R11 Highly flammable. R36 Irritating to eyes. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. R48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation. R62 Possible risk of impaired fertility. R63 Possible risk of harm to the unborn child. R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. 3M R3139 CONTAINS ROSIN. 3M R1100 May produce an allergic reaction.

Safety Codes and Phrases

S16 Keep away from sources of ignition - No smoking. S23A Do not breathe vapour. S24 Avoid contact with skin. S36/37 Wear suitable protective clothing and gloves. S62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the product container or label. S61 Avoid release to the environment. Refer to

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### 3 COMPOSITION

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Ingredient Name	CAS number	Percentage
PETROLEUM DISTILLATES	64741-84-0	30 - 60
ACETONE	67-64-1	10 - 20
HEXANE	110-54-3	5 - 20
POLYCHLOROPRENE	9010-98-4	10 - 20
METHYL ETHYL KETONE	78-93-3	7 - 13
TOLUENE	108-88-3	3 - 7
ROSIN	8050-09-7	0.1 - 1
ZINC OXIDE	1314-13-2	0.1 - 1
MAGNESIUM RESINATE	68611-24-5	7 - 13

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### 4 FIRST AID MEASURES

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#### EYE CONTACT

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

#### SKIN CONTACT

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and shoes before reuse.

#### INHALATION

If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, 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.

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### 5 FIRE FIGHTING MEASURES

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#### 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

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

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.

#### Unusual Reaction Hazard

None

Special Instructions for Fire Fighting  
Not applicable.

HAZCHEM CODE

\*3YE

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## 6 ACCIDENTAL RELEASE MEASURES

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### Personal Precautions

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. For large spills, 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. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

### Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

### Methods for cleaning up

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An alcohol resistant foam is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inert absorbent material. Mix in sufficient absorbent until it appears dry. 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. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container.

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## 7 HANDLING AND STORAGE

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### Incompatibility - Materials to Avoid

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

### Fire Avoidance

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Extremely flammable liquid and vapour.

### Precautions for Safe Handling

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Contents may be under pressure, open carefully. Keep container tightly closed. 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. Extinguish pilot lights and turn off stoves, ovens and other gas and electric appliances (space and water heaters, furnaces, etc), electric motors and other sources of ignition during adhesive use and until all vapours are gone; ie. until the odour of

vapours at the floor level has disappeared. Do not use electric light switches. Do not generate static sparks (such as by walking on carpet, etc). Use the same precautions in the work area and all connected areas. Be sure that any people in the area follow these precautions. Attach a copy of the precautions to any other container to which this product may be transferred. Avoid prolonged breathing of vapours. Avoid eye and skin contact. Keep container closed when not in use. If work area conditions prevent compliance with any of the above precautions, do not use the product. Keep out of reach of children. For industrial or professional use only. Not intended for consumer sale or use. Do not breathe vapours.

Conditions for Safe Storage

Refer to Incompatibility - Materials to Avoid.

Ventilation

Keep container in well ventilated area.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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ACETONE (67-64-1)

NATIONAL EXPOSURE STANDARDS: TWA: 500ppm, 1185mg/m<sup>3</sup> STEL: 1000ppm, 2375mg/m<sup>3</sup>

HEXANE (110-54-3)

NATIONAL EXPOSURE STANDARDS: TWA: 20ppm, 72mg/m<sup>3</sup>.

METHYL ETHYL KETONE (78-93-3)

NATIONAL EXPOSURE STANDARDS: TWA 150ppm 445mg/m<sup>3</sup>  
STEL 300ppm 890mg/m<sup>3</sup>

TOLUENE (108-88-3)

NATIONAL EXPOSURE STANDARDS: TWA: 50ppm, 191 mg/m<sup>3</sup>. STEL: 150ppm, 574 mg/m<sup>3</sup>.

Absorption through the skin may be a significant source of exposure.

ZINC OXIDE (1314-13-2)

NATIONAL EXPOSURE STANDARDS: TWA: 10mg/m<sup>3</sup> (as inspirable dust).

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.

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: Indirect Vented goggles.

Hand Protection

The following glove material(s) are recommended: Butyl rubber. Polymer laminate.

Skin Protection

Avoid skin contact.

Respiratory Protection

Avoid breathing vapours, mists or spray. Do not breathe vapours.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or full facepiece air-purifying respirator suitable for organic vapours.

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.

Recommended Ventilation

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Provide appropriate local exhaust ventilation on open containers. Use in an enclosed process area is recommended. If exhaust ventilation is not available, use appropriate respiratory protection. 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.

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9 PHYSICAL/CHEMICAL PROPERTIES

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Appearance and Odour	Grey/green, low viscosity liquid; strong petroleum odour.
pH	Not applicable
Boiling point	>= 80 C DETAILS: Acetone
Melting point	Not applicable
Flash point	-25.56 C [Test method: closed cup] DETAILS: Acetone
Autoignition temperature	404 C
Vapour pressure	<= 185 mmHg CONDITIONS: @ 20.0 C
Water solubility	Slight (0.1 - 1.0%)
Specific gravity	0.815 (water=1)
Vapour density	2
volatile organic compounds (VOC)	<= 674 g/L DETAILS: EU VOC content
content	
Evaporation rate	>= 2
Viscosity	200 - 450 centipoise CONDITIONS: @ 23.0 C
Flammable Limits - LEL	1 % VOL
Flammable Limits - UEL	12.8 % VOL
Percent Volatile	70 - 80 %

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10 STABILITY AND REACTIVITY

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Materials to Avoid

Strong Oxidising Agents.

Conditions to Avoid

Sparks and/or Flames. Heat.

Hazardous Decomposition Products

Hydrocarbons during combustion. Carbon monoxide during combustion.  
Carbon dioxide during combustion.

#### Stability

Hazardous polymerisation will not occur. Stable. This material may be reactive with certain agents under certain conditions - see the other headings in this section.

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### 11 TOXICOLOGICAL INFORMATION

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#### Effects from Eye Contact

Moderate Eye Irritation: Signs/symptoms can include redness, swelling, pain, tearing and blurred or hazy vision. Prolonged or repeated exposure may cause: Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

#### Effects from Skin Contact

Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms can include redness, swelling, blistering and itching.

#### Effects from Inhalation

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May be absorbed following inhalation and cause target organ effects. Prolonged or repeated exposure may cause: Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

#### Effects from Ingestion

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May be absorbed following ingestion and cause target organ effects.

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#### Reproductive Effects

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

#### 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. Prolonged or repeated exposure may cause: Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate. Olfactory Effects: Signs/symptoms may include decreased ability to detect odours and/or complete loss of smell. Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, uncoordination, weakness of the hands and feet, tremors and muscle atrophy.

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### 12 ECOLOGICAL INFORMATION

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#### Ecotoxicity Data

Not determined.

#### Ecofate Data

Not determined.

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13 DISPOSAL CONSIDERATIONS  
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## Product as Sold

Incinerate in a permitted hazardous waste incinerator. Combustion products will include HCl. Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

## Special Instructions for Disposal

Dispose of completely cured (or polymerised) wastes in a sanitary landfill. Incinerate uncured product in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Combustion products will include HCl. Facility must be capable of handling halogenated materials. Contact your local waste authority to determine suitable disposal methods.

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14 TRANSPORT INFORMATION  
-----ADG (Road/Rail)  
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UN NUMBER	UN1133
PROPER SHIPPING NAME	ADHESIVES
DANGEROUS GOODS CLASS	3

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SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	II
HAZCHEM CODE	*3YE
IERG	14

IATA (Airfreight)  
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UN NUMBER	UN1133
PROPER SHIPPING NAME	ADHESIVES
DANGEROUS GOODS CLASS	3
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	II
IATA SPECIAL INSTRUCTIONS:	NOTE: 5 gallon containers of this product are forbidden by airfreight due to packaging restrictions.

IMDG (Seafreight)  
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UN NUMBER	UN1133
PROPER SHIPPING NAME	ADHESIVES

DANGEROUS GOODS CLASS

3

SUBSIDIARY RISK

NONE ALLOCATED

PACKING GROUP

II

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15 REGULATORY INFORMATION

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Product Certifications

AICS - yes

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16 OTHER INFORMATION

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REASON FOR REISSUE

Complete document review with multiple sections updated.

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