

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

=====
Material Safety Data Sheet
=====

Document id : 22-6349-9 Issue date : 2008/06/04
Version : 6.00 Supersedes date : 2008/04/07

Copyright, 1997, 3M Canada Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Product Identification

Tradename:
Scotch-Weld(TM) General Purpose Retaining Compound RT09-10, RT09-50,
& RT09-250
Product ID:
62-3435-1050-9 CS-0406-7304-1 CS-0406-7296-9 CS-0406-7222-5
62-3435-1055-8 62-3435-3950-8 62-3435-5050-5
Intended Use of Product:
Sealant
Division:
AD - Industrial Adhesives and Tapes Division

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
Polyglycol Dimethacrylate	25852-47-5	40 - 70
POLYESTER RESIN	Trade Secret	10 - 30
HYDROXYPROPYL METHACRYLATE	27813-02-1	10 - 30
METHACRYLIC ACID	79-41-4	1 - 5
CUMENE HYDROPEROXIDE	80-15-9	1 - 5
SACCHARIN	81-07-2	1 - 5
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	0.1 - 1.0
METHYL ALCOHOL	67-56-1	0.1 - 1.0
CUMENE	98-82-8	0.1 - 1.0

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

Page 2 of 10

N,N-Dialkyltoluidine	613-48-9	0.1 - 1.0
----------------------	----------	-----------

NOTE:

POLYESTER RESIN is a non-hazardous Trade Secret material according to WHMIS criteria.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Combustible liquid and vapour.

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

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

May be absorbed through skin and cause target organ effects.

May be absorbed following inhalation and cause target organ effects.

May be absorbed following ingestion and cause target organ effects.

METHYL ALCOHOL (67-56-1): can cause birth defects or other reproductive harm.

Very toxic by inhalation.

Toxic in contact with skin.

Oxidizing material;

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for Skin Contact:

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

Instructions for Inhalation:

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

Instructions for Ingestion:

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

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

Page 3 of 10

5 Fire Fighting Measures

Flash point:	>= 93.3 C CC
Lower Explosive Limit (%):	Not Available
Upper Explosive Limit (%):	Not Available
Autoignition temperature:	Not Available

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:

- Formaldehyde - During Combustion;
- Carbon monoxide - During Combustion;
- Carbon dioxide - During Combustion;
- Oxides of Nitrogen - During Combustion;
- Oxides of Sulfur - During Combustion;

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. Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health	2
NFPA: Fire	1
NFPA: Reactivity	1
NFPA: Unusual Reaction Hazard	none

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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. Collect as much of the

spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use.

Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Store away from oxidizing agents.

Light;

Reducing agents;

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Combustible liquid and vapour.

Use Instructions:

Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep container tightly closed. Avoid breathing of vapours, mists or spray. Avoid skin contact. Avoid breathing of vapours created during the cure cycle. For industrial or professional use only. Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Safety glasses with side shields

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:
butyl rubber;
neoprene;
polyvinyl chloride;

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

Page 5 of 10

Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Avoid breathing of vapours created during the cure cycle.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges.

Ingestion (Prevention):

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

Keep out of the reach of children.

Recommended Ventilation:

Curing enclosures must be exhausted to outdoors or to a suitable emission control device.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

Polyglycol Dimethacrylate (25852-47-5)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

POLYESTER RESIN (Trade Secret)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

HYDROXYPROPYL METHACRYLATE (27813-02-1)

LD50 (rat, oral) 2467 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Scotch-Weld(TM) General Purpose Retaining Compound RT09-10, RT09-50, & RT09-250

Exposure Limits

CMRG: CEIL 3 ppm

METHACRYLIC ACID (79-41-4)

LD50 (rat, oral) 1060 mg/m3

LD50 (dermal, rabbit) 500 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 20 ppm

ACGIH: TWA 70 mg/m3

CMRG: TWA 10 ppm (skin contact contributes to exposure)

CMRG: STEL 4 ppm (skin contact contributes to exposure)

CUMENE HYDROPEROXIDE (80-15-9)

LD50 (rat, oral) 382 mg/kg

LC50 (rat, inhalation/4 hours) 220 ppm

Exposure Limits

AIHA: TWA 1 ppm (skin contact contributes to exposure)

AIHA: TWA 6 mg/m3 (skin contact contributes to exposure)

SACCHARIN (81-07-2)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

TRIETHYLENE GLYCOL DIMETHACRYLATE (109-16-0)

LD50 (rat, oral) 10,837 mg/kg
LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

METHYL ALCOHOL (67-56-1)

LD50 (rat, oral) 5628 mg/kg
LD50 (dermal, rabbit) 15800 mg/kg
LC50 (rat, inhalation/4 hours) 64000 ppm

Exposure Limits

ACGIH: TWA 200 ppm (skin contact contributes to exposure)
ACGIH: TWA 262 mg/m3 (skin contact contributes to exposure)
ACGIH: STEL 250 ppm (skin contact contributes to exposure)
ACGIH: STEL 328 mg/m3 (skin contact contributes to exposure)

CUMENE (98-82-8)

LD50 (rat, oral) 1400 mg/kg
LC50 (rat, inhalation/4 hours) 8000 ppm

Exposure Limits

ACGIH: TWA (skin contact contributes to exposure)
ACGIH: TWA 246 mg/m3 50 ppm

N,N-Dialkyltoluidine (613-48-9)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; Green; mild odour;
Odour Threshold: No data available.
pH: Not applicable
Boiling point/boiling range: >= 149 C

Melting point/melting range:	Not applicable
Vapour pressure:	<= 5 mmHg at 20 C
Water Solubility:	Nil
Specific gravity:	1.1 Water=1
Vapour density:	1.01 Air=1
Volatile organic compounds:	Not Available
Evaporation rate:	Negligible
Viscosity:	120 - 150 centipoise at 23 C
Percent Volatile:	No data available.

10 Stability and Reactivity

Conditions to Avoid:

Heat;
Store out of direct sunlight.
Light;

Materials to Avoid:

Reducing agents;
Strong oxidizing agents;

Hazardous Decomposition:

Formaldehyde - During Combustion;
Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;
Oxides of Sulfur - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization may occur. At Elevated
Temperatures: > 65.6 C (> 150 F)

11 Toxicological Information

Effects from Eye Contact:

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

Vapours released during curing may cause eye irritation.

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

Compound RT09-10, RT09-50, & RT09-250

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

May be absorbed through skin and cause target organ effects.

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.

Prolonged or repeated exposure may cause:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

Effects from Ingestion:

May be absorbed following ingestion and cause target organ effects.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

METHYL ALCOHOL (67-56-1): can cause birth defects or other reproductive harm.

Component Based Information:

Very toxic by inhalation.

Toxic in contact with skin.

Oxidizing material;

Product Based Information:

No data available.

Other Effects & Information:

Prolonged or repeated exposure may cause:

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.

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

Page 9 of 10

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material

Special Instructions:

Not regulated per U.S. DOT,
IATA or IMO.

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

Scotch-Weld(TM) General Purpose Retaining
Compound RT09-10, RT09-50, & RT09-250

Page 10 of 10

15 Regulatory Information

WHMIS Classification: C, B3, D1A, D1B, D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

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

16 Other Information

Reason for Reissue:

Added French translation to MSDS

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---