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 Material Safety Data Sheet
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 1 Chemical Product and Company Identification

Tradename:
 3M BRAND TEN BOND CONTACT CEMENT (INACTIVE)
 Product ID:
 CS-0406-2181-8 CS-0406-2182-6 CS-0406-2184-2 CS-0406-2185-9
 CS-0406-2186-7
 Intended Use of Product:
 Contact adhesive
 Division:
 3M CANADA COMPANY

 2 Hazards Identification

Critical Hazards:
 Flammable liquid and vapour.
 Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
 May be absorbed through skin and cause target organ effects.
 TOLUENE (108-88-3): can cause birth defects or other reproductive harm.
 Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.
 See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
ALIPHATIC PETROLEUM DISTILLATE (BP RANGE 14-47 DEG. C)	64742-88-7	30 - 50
ACETONE	67-64-1	20 - 30
SYNTHETIC RUBBER (NEOPRENE)	9010-98-4	10 - 15
N-HEXANE	110-54-3	5 - 10
TOLUENE	108-88-3	5 - 10
MAGNESIUM RESINATE	68611-24-5	5 - 10
WATER	7732-18-5	1 - 5
ZINC OXIDE	1314-13-2	0.1 - 1.0

NOTE:

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

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

Instructions for Skin Contact:

Flush skin with large amounts of water. If irritation persists, get medical attention.

Instructions for Inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Instructions for Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

5 Fire Fighting Measures

Flash point:

-25 C

Lower Explosive Limit (%):

Not Available

Upper Explosive Limit (%):

Not Available

Autoignition temperature:

Not Available

Suitable Extinguishing Media:

Carbon Dioxide; Dry chemical; Foam;

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.

Combustion Products from Fire:

Carbon monoxide and carbon dioxide;
Hydrogen chloride;
Aldehydes;
Ketones;
Hydrocarbons;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

NFPA: Health	2
NFPA: Fire	3
NFPA: Reactivity	0
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.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. Cover with absorbent material. Collect as much of the spilled material as possible using non-sparking tools. Place in an approved metal container.

Methods for Disposal:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of waste product in a facility permitted to accept chemical waste.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use.

Incompatible Materials:

Store away from heat;

Ventilation:

No data available.

Use Instructions:

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; i.e., 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 the 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 the reach of children.

Special Instructions:

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

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:

Indirect vented goggles;

Safety glasses with side shields

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyethylene/ethylene vinyl alcohol;

polytetrafluoroethylene (teflon);

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 prolonged breathing of vapours.

Select one of the following approved respirators based on airborne

concentration of contaminants and in accordance with regulations:
 half-mask organic vapour respirator;
 Ingestion (Prevention):
 Do not ingest.
 Recommended Ventilation:
 Use in a well-ventilated area.
 Provide sufficient ventilation to maintain emissions below
 recommended exposure limits.
 If exhaust ventilation is not adequate, use appropriate respiratory
 protection.

Ingredient Exposure Data

ALIPHATIC PETROLEUM DISTILLATE (BP RANGE 14-47 DEG. C) (64742-88-7)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

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

Exposure Limits

CMRG: TWA 100 ppm

ACETONE (67-64-1)

LD50 (rat, oral) 5800 mg/kg

LC50 (rat, inhalation/4 hours) 100200 mg/m3

Exposure Limits

ACGIH: TWA 500 ppm (Table A4)

ACGIH: TWA 1780 mg/m3 (Table A4)

ACGIH: STEL 750 ppm (Table A4)

ACGIH: STEL 2380 mg/m3 (Table A4)

SYNTHETIC RUBBER (NEOPRENE) (9010-98-4)

LD50 (rat, oral) > 40 g/kg

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

Exposure Limits

No data available.

N-HEXANE (110-54-3)

LD50 (rat, oral) 28710 mg/kg

LC50 (rat, inhalation/4 hours) 48000 ppm

Exposure Limits

ACGIH: TWA 50 ppm (skin contact contributes to exposure)

ACGIH: TWA 176 mg/m3 (skin contact contributes to exposure)

TOLUENE (108-88-3)

LD50 (rat, oral) 636 mg/kg

LD50 (dermal, rabbit) 14100 uL/kg

LC50 (rat, inhalation/4 hours) LC50 (female rat,

inhalation/4 hours vapour):

19.0 mg/l

Exposure Limits

ACGIH: TWA 20 ppm (Table A4)

CMRG: STEL 75 ppm (Skin contact contributes to exposure)

MAGNESIUM RESINATE (68611-24-5)

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.

WATER (7732-18-5)

LD50 (rat, oral)

> 90 ml/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

ZINC OXIDE (1314-13-2)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

ACGIH: TWA 2 mg/m3 (Respirable)

ACGIH: STEL 10 mg/m3 (Respirable)

9 Physical and Chemical Properties

Physical form,Color,Odour:	Liquid; yellow; solvent odour;
Odour Threshold:	No data available.
pH:	Not Available
Boiling point/boiling range:	Approximately 56 C (Acetone)
Melting point/melting range:	Not Available
Vapour pressure:	Approximately 180 mmHg
Water Solubility:	Slight
Specific gravity:	◆ 0.830 Water=1
Vapour density:	Approximately 3 Air=1
Volatile organic compounds:	Not Available
Evaporation rate:	Approximately 2 Ether=1
Viscosity:	Approximately 965 centistoke
Percent Volatile:	Not applicable

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat;

Materials to Avoid:

None known.

Hazardous Decomposition:

Carbon monoxide and carbon dioxide;

Hydrogen chloride;

Aldehydes;

Ketones;
Hydrocarbons;
Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

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

Effects from Skin Contact:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.
May be absorbed through skin and cause target organ effects.

Effects from Inhalation:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Ingestion may cause:

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

Chemical (Aspiration) Pneumonitis: Signs/symptoms can include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and possibly death.

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

Component Based Information:

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

No data available.

Ecofate Data:

Other Effects and Information:

Not determined. Since regulations vary, consult applicable regulations or authorities before disposal.

13 Disposal Considerations

Product as Sold:

No data available.

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:

Consumer Commodity

Special Information:

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification:

B2, 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 components of this product are in compliance with the chemical notification requirements of CEPA.

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
Update Tradename (Obsolete product)

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