DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME: Fastbond (TM) 10 Neutral Contact Adhesive Brushable


ISSUED: AUGUST 18, 1993
SUPERSEDES: FEBRUARY 11, 1993
DOCUMENT: 05-5824-7

1. INGREDIENT C.A.S. NO. PERCENT

| PETROLEUM DISTILLATE | 64742-88-7 | 20.0 | 30.0 |
| ACETONE | 67-64-1 | 20.0 | 30.0 |
| POLYCHLOROPRENE | 9010-98-4 | 10.0 | 20.0 |
| TOLUENE | 108-88-3 | 10.0 | 20.0 |
| N-HEXANE | 110-54-3 | 7.0 | 13.0 |
| MAGNESIUM RESINATE | 68611-24-5 | 7.0 | 13.0 |

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

ACETONE
TOLUENE

2. PHYSICAL DATA

| BOILING POINT: | 132.00 F (acetone) |
| VAPOR PRESSURE: | 180.0000 mmHg @ 68F |
| VAPOR DENSITY: | 3.00 Air = 1 |
| EVAPORATION RATE: | > 2.00 Ether = 1 |
| SOLUBILITY IN WATER: | Very slight |
| SP. GRAVITY: | 0.830 Water = 1 |
| PERCENT VOLATILE: | 77.00 % by wt |
| VOLATILE ORGANICS: | 637 gms/liter SAQMD Rule 443.1, calculated |
| VOC LESS H2O & EXEMPT SOLVENT | 637 gms/liter SAQMD Rule 443.1, calculated |
| pH: | N/D |
| VISCOSITY: | ca. 965.0 centistokes |
| MELTING POINT: | N/D |
| APPEARANCE AND ODOR: | Liquid, yellow, solvent odor |

3. FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT: | -14.00 F T.C.C. (petroleum distillate) |
| FLAMMABLE LIMITS - LEL: | 1.00 % by vol |
| FLAMMABLE LIMITS - UEL: | 12.80 % by vol |
| AUTOIGNITION TEMPERATURE: | N/D |
| EXTINGUISHING MEDIA: | Carbon dioxide, Dry chemical, Foam |
| SPECIAL FIRE FIGHTING PROCEDURES: | Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat |

Abbreviations: N/D - Not Determined  N/A - Not Applicable
3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

MATERIAL SAFETY DATA SHEET

MSDS: Fastbond (TM) 10 Neutral Contact Adhesive Brushable
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3. FIRE AND EXPLOSION HAZARD DATA (continued)

and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:
Strong Oxidizing Agents

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide Hydrogen Chloride Aldehydes Ketones Hydrocarbons

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Collect using non-sparking tools. Cover with absorbent material. Place in a U.S. DOT-approved container and seal.

RECOMMENDED 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.

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:
Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable).

SARA HAZARD CLASS:
FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

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

SKIN CONTACT:
Flush skin with large amounts of water. If irritation persists, get

Abbreviations: N/D - Not Determined N/A - Not Applicable
6. **SUGGESTED FIRST AID**

   (continued)

   medical attention.

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

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

7. **PRECAUTIONARY INFORMATION**

   **EYE PROTECTION:**
   Avoid eye contact. Wear vented goggles. Wear safety glasses with side shields.

   **SKIN PROTECTION:**
   Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

   **VENTILATION PROTECTION:**
   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.

   **RESPIRATORY PROTECTION:**
   Avoid prolonged breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

   **PREVENTION OF ACCIDENTAL INGESTION:**
   Do not ingest.

   **RECOMMENDED STORAGE:**
   Store away from heat. Keep container closed when not in use.

   **FIRE AND EXPLOSION AVOIDANCE:**
   Follow OTHER PRECAUTIONARY INFORMATION below.

   **OTHER PRECAUTIONARY INFORMATION:**
   Vapors may ignite explosively. May cause flash fire. Prevent build-up of vapors - open all windows and doors. Maintain vapor concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapors 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,

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7. PRECAUTIONARY INFORMATION (continued)

- furnaces, etc.), electric motors, and other sources of ignition during adhesive use and until all vapors are gone; i.e., until the odor of vapors 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 vapors. 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.

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* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
- Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:
- Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.
    - May be absorbed through the skin.

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8. HEALTH HAZARD DATA (continued)

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

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Peripheral Neuropathy: signs/symptoms can include tingling of extremities, incoordination, numbness, weakness and tremors.

IF SWALLOWED:
Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

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Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:
TOLUENE (108-88-3) is a potential developmental hazard, causing retardation of skeletal development and reduction of fetal weight by the inhalation route of exposure in laboratory studies.

SECTION CHANGE DATES

HEADING    SECTION CHANGED SINCE    FEBRUARY 11, 1993 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.