

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION
TRADE NAME:
3M BRAND WELDING BACKUP TAPES

3M I.D. NUMBER: CT-0606-5386-3 CT-0606-5387-1 CT-0606-5388-9 CT-0606-5389-7
 CT-0606-5390-5 CT-0606-5391-3 CT-0606-5392-1 CT-0606-5524-9
 CT-0606-5525-6 CT-0606-5526-4 CT-0606-5527-2 CT-0606-5528-0
 CT-0606-5529-8 CT-0606-5530-6 CT-0606-7949-6 CT-0606-8308-4
 CT-0606-8514-7 70-0060-5821-1 70-0060-5948-2 70-0060-6009-2
 70-0060-6297-3 70-0700-1012-2 70-0700-2727-4 70-0700-2728-2
 70-0700-2747-2 70-0700-3025-2 70-0700-3275-3 70-0700-3948-5
 70-0700-4052-5 70-0700-4216-6 70-0700-4217-4 70-0700-6271-9
 70-0700-7270-0 70-0700-7274-2 70-0700-7276-7 70-0700-7278-3
 70-0700-7714-7 70-0700-8349-1 70-0700-8350-9 70-0700-8351-7
 70-0700-8353-3 70-4780-0801-7 70-4780-1701-8

ISSUED: JANUARY 13, 1993
SUPERSEDES: NOVEMBER 4, 1992
DOCUMENT: 10-5523-5

1. INGREDIENT	C.A.S. NO.	PERCENT
BACKING: ALUMINUM FOIL	Unknown	Unknown
ADHESIVE: SBR RUBBER/ACRYLIC	Unknown	Unknown
REFRACTORY LAYER: GLASS FRIT, OR ALUMINUM OXIDE, OR CERAMIC TILE, OR GLASS CLOTH	Unknown	Unknown
LINER: SILICONE COATED POLYETHYLENE	Unknown	Unknown

2. PHYSICAL DATA	
BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
EVAPORATION RATE:	N/A
SOLUBILITY IN WATER:	N/A
SP. GRAVITY:	N/A
PERCENT VOLATILE:	N/A
VOLATILE ORGANICS:	N/D
VOC LESS H2O & EXEMPT SOLVENT	N/D
pH:	N/A
VISCOSITY:	N/A
MELTING POINT:	N/D
APPEARANCE AND ODOR:	Tape like products made of components listed in Section one No odor.

3. FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT:	N/A
FLAMMABLE LIMITS - LEL:	N/A
FLAMMABLE LIMITS - UEL:	N/A
AUTOIGNITION TEMPERATURE:	N/D
EXTINGUISHING MEDIA:	Water, Carbon dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Not applicable

Abbreviations: N/D - Not Determined N/A - Not Applicable

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.
NFPA-HAZARD-CODES: HEALTH 0 FIRE 0 REACTIVITY 0
UNUSUAL REACTION HAZARD: None
OSHA FIRE HAZARD CLASS: Not applicable

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong Acids Strong Bases
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide Oxides of Nitrogen

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Not applicable.

RECOMMENDED DISPOSAL:
Dispose of waste product in a sanitary landfill.

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:
Since regulations vary, consult applicable regulations or authorities
before disposal.

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

6. SUGGESTED FIRST AID

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

SKIN CONTACT:
Wash affected area with soap and water.

INHALATION:
If signs/symptoms occur, remove person to fresh air. If
signs/symptoms continue, call a physician.

IF SWALLOWED:
No need for first aid is anticipated.

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7. PRECAUTIONARY INFORMATION

- EYE PROTECTION:**
 Not applicable.
- SKIN PROTECTION:**
 Not applicable..
- VENTILATION PROTECTION:**
 Use with appropriate local exhaust ventilation.
- RESPIRATORY PROTECTION:**
 Avoid inhalation of thermal decomposition products..
- PREVENTION OF ACCIDENTAL INGESTION:**
 Not applicable.
- RECOMMENDED STORAGE:**
 Store at 50-100 F (10-38 C).
- FIRE AND EXPLOSION AVOIDANCE:**
 Not applicable.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN [⊗]
	VALUE	UNIT		
BACKING: ALUMINUM FOIL	NONE	NONE	NONE NONE	
ADHESIVE: SBR RUBBER/ACRYLIC	NONE	NONE	NONE NONE	
REFRACTORY LAYER: GLASS FRIT, OR ALUMINUM OXIDE, OR CERAMIC TILE, OR GLASS CLOTH	NONE	NONE	NONE NONE	
LINER: SILICONE COATED POLYETHYLENE	NONE	NONE	NONE NONE	

⊗ 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:
 - NONE: None Established

8. HEALTH HAZARD DATA

- EYE CONTACT:**
 Vapors from heated material may cause eye irritation.
- SKIN CONTACT:**
 No adverse health effects are expected from skin contact.
- INHALATION:**
 Health effects from inhalation are not expected unless product is

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8. HEALTH HAZARD DATA (continued)

heated.

Vapors of heated material may cause respiratory system irritation.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

No adverse health effects are expected from swallowing.

OTHER HEALTH HAZARD INFORMATION:

These tapes were evaluated for their air contaminant emissions during welding processes. Contaminants analyzed for were oxides of nitrogen (NO and NO₂), carbon monoxide, carbon dioxide, acetaldehyde, hydrogen cyanide, hydrochloric acid, acrylate monomer, and welding particulate emissions. The welding experiments were designed to test the products under actual welding conditions. No local exhaust ventilation was used in these experiments. Results show that except for the welding particulate emissions, the air contaminants found during both the control (no Welding Backup Tape used) and experimental runs were below their recommended Threshold Limit Value (TLV) Guidelines. HCl, CO, CO₂, AND NO₂ concentrations were higher than the control, but this is expected due to the organic and nitrate compounds present in the tapes. We believe these data to be representative of a common welding application. We suggest that actual emissions of welding operations should be determined by the customer's on-site evaluation. Based on the data generated by 3M Company, local exhaust which is adequate to control welding particulate emissions to within the current TLV (5Mg/M³) should also be adequate for controlling common gaseous emissions and thus, minimize any health concerns when using 3M Welding Backup Tapes.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	NOVEMBER 4, 1992 ISSUE
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Abbreviations: N/D - Not Determined N/A - Not Applicable

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.