

3M General Offices

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

MATERIAL SAFETY
DATA SHEET**3M**

DIVISION: AUTOMOTIVE TRADES DIVISION

TRADE NAME:

3M brand Fast Tack Trim Adhesive P/N 08031, 08033, 08034
3M I.D. NUMBER: 62-1917-2609-0 62-1917-5509-9 62-1917-6509-8

ISSUED: MARCH 1, 1991

SUPERSEDES: NOVEMBER 16, 1990

DOCUMENT: 10-5257-0

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
n-Hexane	110-54-3	30.0 - 60.0	50	ppm	TWA	ACGIH
Other Hexane Isomers	None	10.0 - 30.0	NONE	NONE	NONE	NONE
Styrene-Butadiene Polymer	9003-55-8	10.0 - 20.0	NONE	NONE	NONE	NONE
Methylcyclopentane	96-37-7	5.0 - 15.0	500	ppm	TWA	ACGIH
Hydrocarbon Resin	68240-01-7	1.0 - 10.0	NONE	NONE	NONE	NONE
Zinc Resinate	9010-69-9	1.0 - 10.0	NONE	NONE	NONE	NONE
Glycerol Ester of Hydrogenated Rosin	65997-13-9	1.0 - 10.0	NONE	NONE	NONE	NONE
Petroleum Resins	64742-16-1	1.0 - 10.0	NONE	NONE	NONE	NONE
Phenol-Formaldehyde Polymer	9003-35-4	1.0 - 10.0	NONE	NONE	NONE	NONE
Ethyl Alcohol	64-17-5	< 1.0	1000	ppm	TWA	ACGIH
Cyclohexane	110-82-7	< 1.0	300	ppm	TWA	ACGIH
Methyl Alcohol	67-56-1	< 0.1	200	ppm	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

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:

Zinc Resinate
Cyclohexane
Methyl Alcohol

2. PHYSICAL DATA

BOILING POINT:..... 148.00 F
VAPOR PRESSURE:..... 126.5000 mmHg
VAPOR DENSITY: 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER: Negligible
SP. GRAVITY:..... 0.740 Water = 1
PERCENT VOLATILE: 68.00 %
VOLATILE ORGANICS: 521.26 gm/l
pH: N/A
VISCOSITY: Medium syrup
APPEARANCE AND ODOR: Amber, Liquid, Hexane Odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -10.00 F
FLAMMABLE LIMITS - LEL: 1.20 %
FLAMMABLE LIMITS - UEL: 6.90 %
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
CO2, foam

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

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6. SUGGESTED FIRST AID (continued)

physician.

INHALATION:

Remove to fresh air. If irritation persists, call a physician.

IF SWALLOWED:

Call a physician immediately. Only induce vomiting at the instructions of a physician.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flame, and other sources of ignition. The vapors released by this product can be ignited easily. Provide ventilation adequate to keep vapor concentrations below recommended exposure limits. Avoid prolonged breathing of vapors. Prevent eye and skin contact. Utilize protective equipment when handling this product, i.e., impervious gloves and chemical goggles or safety glasses. Keep container closed when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	
n-Hexane	176	mg/m3	TWA	ACGIH
n-Hexane	50	ppm	TWA	OSHA
n-Hexane	180	mg/m3	TWA	OSHA
Methylcyclopentane	1760	mg/m3	TWA	ACGIH
Methylcyclopentane	1000	ppm	STEL	ACGIH
Methylcyclopentane	3500	mg/m3	STEL	ACGIH
Methylcyclopentane	500	ppm	TWA	OSHA
Methylcyclopentane	1800	mg/m3	TWA	OSHA
Methylcyclopentane	1000	ppm	STEL	OSHA
Methylcyclopentane	3600	mg/m3	STEL	OSHA
Ethyl Alcohol	1880	mg/m3	TWA	ACGIH
Ethyl Alcohol	1000	ppm	TWA	OSHA
Ethyl Alcohol	1900	mg/m3	TWA	OSHA
Cyclohexane	1030	mg/m3	TWA	ACGIH
Cyclohexane	300	ppm	TWA	OSHA
Cyclohexane	1050	mg/m3	TWA	OSHA
Methyl Alcohol	262	mg/m3	TWA	ACGIH
Methyl Alcohol	250	ppm	STEL	ACGIH
Methyl Alcohol	328	mg/m3	STEL	ACGIH
Methyl Alcohol	200	ppm	TWA	OSHA
Methyl Alcohol	260	mg/m3	TWA	OSHA
Methyl Alcohol	250	ppm	STEL	OSHA
Methyl Alcohol	310	mg/m3	STEL	OSHA

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7. PRECAUTIONARY INFORMATION (continued)

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: May cause severe irritation.

SKIN CONTACT: May cause irritation. n-Hexane may be absorbed through the skin in harmful amounts.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms include dizziness, weakness, fatigue, nausea, headache, facial numbness, visual disorders and in the extreme, asphyxiation. Repeated or extreme overexposure to n-hexane may cause nervous system damage.

INGESTION: May cause digestive system irritation. Symptoms may include nausea, vomiting and diarrhea. Solvent aspiration into the lungs as a result of vomiting may cause lung damage, which can be fatal.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	NOVEMBER 16, 1990 ISSUE
FIRST AID	SECTION CHANGED SINCE	NOVEMBER 16, 1990 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	NOVEMBER 16, 1990 ISSUE

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.

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extremely Flammable. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.

NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 REACTIVITY 0

UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, sulfur dioxide, formaldehyde and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:

Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC): Maximum VOC = 521.26 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 521.26 grams/liter.
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water. If irritation persists, call a physician.

SKIN CONTACT:

Flush skin with plenty of water. If irritation persists, call a