

3M General Offices
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02-65
 2529

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
 TRADE NAME:
 3M Brand Flexible Parts Coating P/N 5905
 3M I.D. NUMBER: XC-0616-7894-9 XS-0414-1114-0 60-9800-0902-5

ISSUED: MAY 2, 1989
 SUPERSEDES: MARCH 7, 1989
 DOCUMENT: 10-2834-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
WATER	7732-18-5	25.0 - 50.0	NONE	NONE	NONE	NONE
ISOPROPYL ALCOHOL	67-63-0	25.0 - 35.0	400	ppm	TWA	ACGIH
TALC	14807-96-6	10.0 - 20.0	2	mg/m ³	TWA	ACGIH
POLYURETHANE	N/D	10.0 - 20.0	NONE	NONE	NONE	NONE
N-METHYL-2-PYRROLIDONE	872-50-4	1.0 - 10.0	100	ppm	TWA	CMRG

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... IPA 181 F
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... 2.07 Air = 1
 EVAPORATION RATE:..... N/D
 SOLUBILITY IN WATER:..... SOLUBLE
 SP. GRAVITY:..... 1.000-1.120 Water = 1
 PERCENT VOLATILE:..... 60-80
 VOLATILE ORGANICS:..... 0.00 gm/l
 G VOC/L 308.99 G VOC/(L-VW-VES) 358.34
 pH:..... 8.5-9.8
 VISCOSITY:..... 21-39 (ZAHN)
 APPEARANCE AND ODOR: BLACK, LIQUID, ISOPROPYL ALCOHOL AND AMMONIA ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 74 F CLOSED CUP
 FLAMMABLE LIMITS - LEL:..... 2.00 %
 FLAMMABLE LIMITS - UEL:..... 12.00 %
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 WATER, CARBON DIOXIDE, FOAM, DRY CHEMICAL
 SPECIAL FIRE FIGHTING PROCEDURES:
 NONE
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 NONE
 NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
 UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
 INCOMPATIBILITY - MATERIALS TO AVOID:
 NONE
 HAZARDOUS POLYMERIZATION: Will Not Occur

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

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4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN AND SMOKE
PARTICLES WHEN SUBJECTED TO EXCESSIVE HEAT OR FLAME

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. EXTINGUISH ALL IGNITION
SOURCES. VENTILATE AREA. COVER WITH INORGANIC ABSORBENT AND PLACE
IN U.S. DOT APPROVED METAL CONTAINER AND SEAL.

RECOMMENDED DISPOSAL:
INCINERATE WASTE/BULK PRODUCT IN A HAZARDOUS WASTE FACILITY. CONSULT
APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA
HAZARD WASTE NUMBER: D001 (IGNITABLE).

ENVIRONMENTAL DATA:
N/D

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 FOR AT LEAST TEN MINUTES.
CALL A PHYSICIAN.

SKIN CONTACT:
WASH WITH SOAP AND WATER.

INHALATION:
PROVIDE FRESH AIR.

IF SWALLOWED:
DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

OTHER FIRST AID:
NONE

7. PRECAUTIONARY INFORMATION

KEEP AWAY FROM HEAT, SPARKS, AND FLAME. USE ONLY IN AREAS WITH
SUFFICIENT VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW
RECOMMENDED EXPOSURE LIMITS. AVOID EYE AND SKIN CONTACT. AVOID
BREATHING VAPORS AND OVERSPRAY DURING SPRAY OPERATIONS. KEEP
CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

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7. PRECAUTIONARY INFORMATION (continued)

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE		LIMITS	
	VALUE	UNIT	TYPE	AUTH
ISOPROPYL ALCOHOL	980	mg/m ³	TWA	ACGIH
ISOPROPYL ALCOHOL	500	ppm	STEL	ACGIH
ISOPROPYL ALCOHOL	1225	mg/m ³	STEL	ACGIH
ISOPROPYL ALCOHOL	400	ppm	TWA	OSHA
ISOPROPYL ALCOHOL	980	mg/m ³	TWA	OSHA
ISOPROPYL ALCOHOL	500	ppm	STEL	OSHA
ISOPROPYL ALCOHOL	1225	mg/m ³	STEL	OSHA
TALC	2	mg/m ³	TWA	OSHA
N-METHYL-2-PYRROLIDONE	200	ppm	TWA	CMRG

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines

8. HEALTH HAZARD DATA

EYE CONTACT: LIQUID AND VAPOR MAY CAUSE IRRITATION.

SKIN CONTACT: MAY CAUSE IRRITATION.

INHALATION: MAY CAUSE RESPIRATORY SYSTEM IRRITATION. CHRONIC EXPOSURE MAY CAUSE NERVOUS SYSTEM IMPAIRMENT, LIVER AND KIDNEY DAMAGE. SYMPTOMS MAY INCLUDE DIZZINESS, NAUSEA, HEADACHE, VOMITING, INCOORDINATION, CONFUSION, DROWSINESS, AND COMA.

INGESTION: ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE. MAY CAUSE DIGESTIVE SYSTEM IRRITATION. CHRONIC EXPOSURE MAY CAUSE NERVOUS SYSTEM IMPAIRMENT, LIVER AND KIDNEY DAMAGE. SYMPTOMS MAY INCLUDE VOMITING, DIARRHEA, DIZZINESS, HEADACHE, INCOORDINATION, DROWSINESS, AND COMA.

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE MARCH 7, 1989 ISSUE
ENVIRON. DATA SECTION CHANGED SINCE MARCH 7, 1989 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 product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.