

PRODUCT NAME: #711 THINNER / CLEANER
PRODUCT CODE: 711

HMS CODES: H F R P
2 3 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: MICHIGAN COATING PRODUCTS
ADDRESS: 3761 EASTERN AVE S.E. WYOMING, MI 49508
EMERGENCY PHONE: 800-373-7542 INFORMATION PHONE: 616-456-8800
DATE REVISED: 1/3/2013 NAME OF PREPARER: MICHIGAN COATING

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	mm Hg @ TEMP		
ETHYLENE GLYCOL n-BUTYL ETHER	00111-76-2	25 ppm	25 ppm	0.9	85F	35
METHYL PROPYL KETONE	107-87-9	250PPH	200 PPM 705 MG/M3	28.0	81F	30
LIGHT AROMATIC NAPHTHA	64742-95-6	100 PPM	25 PPM	10.3	100F	10
PSEUDOCUMENE	95-63-8	none	125 mg/m3	1.0	77F	15
1,3,5 TRIETHYLBENZENE	108-67-8	NONE	TWA 25 ppm 125 mg/m3	2.0	77F	5
N-PROPYLBENZENE	103-65-1			7.2	100F	< 5.0%
CUMENE	98-82-8	245 mg/m3	245 mg/m3	8.0	77F	< 5.0%

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 214 to 340 Deg F SPECIFIC GRAVITY (H2O=1): 0.9
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 7.16 LB/GL (858 G/L)
MATERIAL V.O.C.: 7.16 LB/GL (858 G/L)
SOLUBILITY IN WATER: NON SOLUBLE
APPEARANCE AND ODOR: FREE-FLOWING LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 46 Deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.9% UPPER: 10.6%
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE-EXPOSED CONTAINERS WITH WATER.
FLASHBACK ALONG VAPOR TRAIL MAY OCCUR. VAPOR MAY EXPLODE IF IGNITED IN AN ENCLOSED AREA.

UNUSUAL FIRE AND EXPLOSION HAZARDS

PRODUCT AWAY FROM IGNITION SOURCES SUCH AS HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAMES.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

REACTION WITH EPOXY RESIN CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID CONTACT WITH STRONG OXIDANTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

INCLUDING CARBON MONOXIDE, CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE DIFFICULTY OF BREATHING, DIZZINESS AND HEADACHES. IF OVERCOME BY VAPOR, MOVE VICTIM TO FRESH AIR. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION, ADMINISTER OXYGEN AND CALL FOR PROMPT MEDICAL ATTENTION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: IRRITATING AND MAY INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: MAY IRRITATE AND CAUSE DERMATITIS. WASH SKIN THOROUGHLY WITH SOAP AND WATER AND REMOVE ANY CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SEEK IMMEDIATE MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

AS A PRECAUTION: EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED. MEDICAL CONDITIONS THAT COULD BE AGGRAVATED BY EXPOSURE INCLUDE RESPIRATORY DISORDERS AND SKIN ALLERGIES. POTENTIAL FOR NERVOUS SYSTEM, KIDNEY OR LIVER DAMAGE.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

DIZZINESS, HEADACHES, RESPIRATORY DISORDERS AND DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE: MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER AND SEE A PHYSICIAN. \

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. STOP LEAK. DIKE AND CONTAIN SPILL, KEEPING PRODUCT OUT OF SEWERS AND WATERCOURSES. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE MATERIAL. VENTILATE CONFINED SPACES.

WASTE DISPOSAL METHOD

OBSERVE PRECAUTIONS FOR VOLATILE FLAMMABLE VAPORS FROM ABSORBED MATERIAL. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENT REGULATIONS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO DISPOSAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT TRANSFER MATERIAL TO UNMARKED CONTAINERS. MINIMIZE BREATHING VAPORS AND SKIN CONTACT.

OTHER PRECAUTIONS

EMPTY CONTAINERS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. DISPOSAL OF CONTAINERS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENT REGULATIONS. DRUMS SHOULD BE EITHER RECONDITIONED BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY APPROVED FIRMS.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

WHERE CONCENTRATIONS IN AIR EXCEED EXPOSURE GUIDELINES USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND DUST FILTER. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

VENTILATION

USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMITS AND BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPORS IN AIR. USE EXPLOSION-PROOF EQUIPMENT AND GROUND CONTAINERS. NO SMOKING OR OPEN LIGHTS.

PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION.

EYE PROTECTION

USE CHEMICAL SAFETY GLASSES WITH SIDE SHIELDS FOR EYE PROTECTION.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

WEAR FULL BODY PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

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