

CARBOLINE COMPANY
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SECTION I - PRODUCT IDENTIFICATION

CARBOLINE 4685 (COLOR - C705)
01-0104-C705
MODIFIED ACRYLIC

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	WEIGHT (LESS THAN)	EXPOSURE LIMITS		VAPOR PRESSURE 20°C mm/Hg
		(TLV®-TWA)	(PEL)	
XYLENE	45%	100 ppm	100 ppm	21.0
ETHYL BENZENE	15%	100 ppm	100 ppm	7.5
PETROLEUM HYDROCARBON	5%	50 ppm	NONE	10.0
2-ETHOXYETHANOL ACETATE	5%	5 ppm	100 ppm	2.0

SECTION III - PHYSICAL DATA

BOILING RANGE: 277 - 393°F
MIXED WEIGHT/GALLON: 8.6 LBS./GAL. (U.S.)
VOLATILE BY WEIGHT: 58.5%
VOLATILE BY VOLUME: 69.1%
VAPOR DENSITY: IS LIGHTER THAN AIR.
EVAPORATION RATE: IS SLOWER THAN ETHER.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: (OSHA): - FLAMMABLE LIQUID - CLASS IC
(DOT): - FLAMMABLE LIQUID OR SOLID
FLASH POINT(PMCC): 77°F
LEL: 0.9

EXTINGUISHING MEDIA: DRY CHEMICAL.

UNUSUAL FIRE AND EXPLOSION HAZARD: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIREFIGHTING PROCEDURES: WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, SPRAY NOZZLES ARE PREFERABLE. WATER SPRAY MAY BE INEFFECTIVE.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: INHALATION: IRRITATION TO THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, AND NAUSEA ARE POSSIBLE. SKIN CONTACT: PRIMARY IRRITATION. EYE CONTACT: PRIMARY IRRITATION. 2-ETHOXYETHANOL AND 2-ETHOXYETHANOL ACETATE CAN BE ABSORBED AFTER ORAL, SKIN, OR INHALATION EXPOSURE, AND CAN CAUSE TOXICITY IN INTERNAL ORGANS SUCH AS BLOOD, LIVER, KIDNEYS, AND TESTES. SOME STUDIES INDICATE LONG-TERM CHRONIC EXPOSURE TO 2-ETHOXYETHANOL AND 2-ETHOXYETHANOL ACETATE MAY CAUSE REPRODUCTIVE DISORDERS.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: UNKNOWN.

PRIMARY ROUTE(S) OF ENTRY: INHALATION.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: REMOVE TO FRESH AIR AND RESTORE BREATHING. TREAT SYMPTOMATICALLY AND CONSULT A PHYSICIAN. SKIN CONTACT: REMOVE COATING WITH SOLVENT. IMMEDIATELY WASH AFFECTED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS. EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL TREATMENT. INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER.

SECTION VI - REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, AND POSSIBLY ALDEHYDES.

CONDITIONS TO AVOID: ALSO MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION, AS IN WELDING. FUMES MAY CONTAIN OXIDES OF METALS LISTED IN SECTION II.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING SOLVENT VAPORS. ENSURE ADEQUATE VENTILATION. AVOID SPARKS, FLAMES AND ANYTHING WHICH COULD CAUSE FIRE.

WASTE DISPOSAL METHOD: SOAK LIQUIDS WITH SAWDUST OR RAGS AND REMOVE. FLUSH WITH WATER IF POSSIBLE. AVOID SKIN CONTACT AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES SUITABLE FOR MATERIALS IN SECTION II RECOMMENDED. APPROVED CHEMICAL MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S TLV LIMIT LISTED IN SECTION II.

PROTECTIVE GLOVES: PROTECTIVE GLOVES RECOMMENDED.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELDS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: PROTECTIVE CREAMS AND CLOTHING RECOMMENDED TO AVOID SKIN CONTACT.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, SMOKING OR USING THE RESTROOM; SMOKE IN DESIGNATED AREAS ONLY.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE MATERIAL IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR STORING MATERIALS SHOWN IN SECTION II.

PRECAUTIONS: PROVIDE RESPIRATORY PROTECTION AGAINST SMOKE AND FUMES GENERATED DURING BURNING OR DUSTS GENERATED DURING REMOVAL OF DRY COATINGS.

29 CFR PARTS 1915, 1916, AND 1917 REQUIRE THE PREPARATION OF THIS MATERIAL SAFETY DATA SHEET.
