

## MATERIAL SAFETY DATA SHEET

## SECTION I

MANUFACTURER: GLYPTAL, INC.  
305 EASTERN AVE  
CHELSEA, MA 02150  
TELEPHONE: 617-884-6918  
PRODUCT CLASS: HARDNER  
CODE IDENTIFICATION: 74010  
TRADE NAME: GLYPTAL

## SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT BY WEIGHT	PPM	ACGIH TLV mg/cu.m. PPM	OSHA PEL mg/cu.m.
CELLOSOLVE	6.1	5		200
CAS NUMBER 110-80-5				
HMIS HEALTH=2 FLAMMABILITY=2 REACTIVITY=0				
OXYGENATED HYDROCARBON				
METHYL ISOBUTYL KETONE	6.1	50		50
CAS NUMBER 108-10-1				
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0				
KETONE				
XYLENE	6.0	100		100
CAS NUMBER 1330-20-7				
HMIS HEALTH=1 FLAMMABILITY=3 REACTIVITY=0				
XYLOL				
TOLUENE	32.0	100		100
CAS NUMBER 108-88-3				
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0				
TOLUENE				

Remaining 16.8 % is a non-hazardous polyamine adduct resin.

N/A MEANS NOT AVAILABLE	N/EST MEANS NOT ESTABLISHED
NOT EST. means NOT ESTABLISHED	
NOT EST. means NOT ESTABLISHED	
N/A MEANS NOT AVAILABLE	NOT EST MEANS NOT ESTABLISHED

## SECTION III - PHYSICAL DATA

BOILING RANGE: 232.0 TO 284.0 F	VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER	
PERCENT VOLATILE BY VOLUME: 85.6	VOC (less water): 6.01 LES/GAL
WEIGHT PER GALLON: 7.23 POUNDS	

1

V.O.C. Is determined per EPA Reference method 24 using ASTM procedures D2369 ,D1475 and D 3960.

VAPOR PRESSURE:	MELTING POINT:
SOLUBILITY IN WATER: N.A.	

APPEARANCE AND ODOR: CLEAR YELLOW,AMINE SMELL

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

OSHA CATEGORY: FLAMMABLE LIQUID

FLASH POINT:45.0 F PENSKEY-MARTIN  
(lowest flashing component)

LEL: I

UEL: 15.6

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and "flash back".

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective, however, water may be used to cool closed containers that are exposed to heat. Firefighting personnel should wear self-contained breathing apparatus.

#### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II

PRIMARY ROUTE(S) OF ENTRY: Inhalation and skin contact

EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness, confusion, irritability.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory difficulties or preexisting skin sensitization.

CARCINOGENICITY: None of the components of this product are reported carcinogens in A/C with OSRA, NTP,IARC and NIOSH.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Administer artificial respiration or oxygen if breathing is difficult.

SKIN: Wash affected area with soap and water. Remove and launder contaminated clothing. Consult a physician if irritation persists.

EYES: Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

INGESTION: Call a physician immediately.

In laboratory inhalation studies on cellosolve, birth defects, increased feta I lethality, and delayed fetal development have been observed in offspring of female animals exposed during pregnancy, with a threshold response level in the range of 150 to 250 ppm concentration in the air. Pre-Exiting liver and/or kidney disorders may be aggravated by exposure to xylene. Reports have associated repeated and prolonged occupational overexposure to xylene with permanent brain and nervous system damage. While this material has a low degree of toxicity, breathing high concentrateons of vapors or mists may cause irritation of the nose and throat. respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material. Persons with pre-existing heart

disorders may be more susceptible to irregular heartbeats if exposed to high concentrations of this material. Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

## **SECTION VI - REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (Materials to avoid) Strong acids and bases

HAZARDOUS DECOMPOSITION PRODUCTS:

BY FIRE: Normal products of incomplete combustion.

HAZARDOUS POLYMERIZATION: NONE

CONDITIONS TO AVOID: None known

## **SECTION VII SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide adequate ventilation. Remove all possible ignition sources. Absorb and dispose using non-sparking tools. Eliminate all sources of ignition. Evacuate unprotected personnel. Water spray may be used. To contain run-off, cover with an absorbent material and place in containers for proper disposal. Flush area with water to remove residue.

WASTE DISPOSAL METHOD: Dispose in accordance with local applicable regulations. Dispose of using an approved incineration process or in accordance with local, state, and federal regulations regarding health and pollution.

## **SECTION VIII SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: In outdoor or open areas use Bureau of Mines approved mechanical filter respirator to remove solid airborne particulates of overspray. Indoors, where ventilation is inadequate. Use Bureau of Mines approved chemical-mechanical respirators designed to remove both particulate and vapor.

VENTILATION:

PROTECTIVE GLOVES: Recommended if skin contact is likely.

EYE PROTECTION: Chemical splash goggles recommended if potential for splash or eye contact is likely.

OTHER PROTECTIVE EQUIPMENT: Recommended as needed to avoid contact.

## **SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Store in a cool dry place away from heat, sparks and open flame. Keep containers closed and upright to prevent leakage. Outside or detached storage is preferred. Inside storage should be in a standard flammable liquid storeroom or cabinet. Metal containers should be grounded when transferring material from one container to another. Do not reuse product container for any purpose.

OTHER PRECAUTIONS:

PREPARED BY: TECHNICAL STAFF REFERENCE DATE: 6/1/99

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION ABOVE.

TO WHOM IT MAY CONCERN: EFFECTIVE JAN 1, 1989, WE ARE REQUIRED BY SARA TITLE III SECTION 313 OF THE RIGHT TO KNOW LEGISLATION, TO INFORM YOU OF THE PERCENTAGE OF ANY INGREDIENT IN A PRODUCT WHICH IS IN THE 313 LIST OR AS AN LISTING AS A COMPONENT OF A MATERIAL WHICH IS IN A CATEGORY OF CHEMICAL LIST.

PRODUCT: 74010 GLYPTAL

6.1% CELLOSOLVE (CAS# 110-80-5)

6.1% MIBK (CAS# 108-10-1)

32.0% TOLUNE (CAS# 10/-88-3)

6.0% XYLENE (CAS# 1330-20-7)

IF YOU WILL MULTIPLY YOUR TOTAL PURCHASES FROM US AS WELL AS FROM OTHER SUPPLIERS BY THE PERCENTAGE OF EACH INGREDIENT FOUND IN EACH PRODUCT AND IF THE TOTAL QUANTITY EXCEEDS THE REPORTABLE QUANTITY FOR THAT INGREDIENT YOU ARE REQUIRED TO VILE FORM R REPORTS.

GLYPTAL HAS FORMULATED SUSTITUTE PRODUCTS WHICH HAVE SIMILAR HANDILING AND TECHNICAL PERFORMANCE CHARACTERISTICS AND ARE COMPLIANT WITH ALL EXISTING FEDERAL ENVIROMENTAL LAWS. FOR MORE INFORMATION CALL 1-800-457-1201