

# MATERIAL SAFETY DATA SHEET

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## SECTION I

MANUFACTURER: GLYPTAL, INC.  
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CHELSEA, MA 02150  
TELEPHONE: 617-884-6918  
PRODUCT CLASS: ALKYD  
CODE IDENTIFICATION: 8112  
TRADE NAME: GLYPTAL

HMIS 2 3 0

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT BY WEIGHT	ACGIH TLV PPM	mg/cu.m.	OSHA PEL PPM	mg/cu.m.
XYLENE	38.4	100		100	
CAS NUMBER 1330-20-7					
HMIS HEALTH=1 FLAMMABILITY=3 REACTIVITY=0					
XYLOL					
ELEMENTAL CARBON	< 0.1		3.5		
CAS NUMBER 1333-86-4					
HMIS HEALTH=0 FLAMMABILITY=0 REACTIVITY=0					
CARBON BLACK					
TRIETHYLAMINE	0.3	25			
CAS NUMBER 121-44-8					
HMIS HEALTH=2 FLAMMABILITY=4 REACTIVITY=0					
TRIETHYLAMINE					
METHYL ISOBUTYL KETONE	0.7	50		50	
CAS NUMBER 108-10-1					
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0					
KETONE					
METHYL ETHYL KETONE	7.2	200		200	
CAS NUMBER 78-93-3					
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0					
METHYL ETHYL KETONE					
VINYL VAGH	4.4	NA	NA	NA	NA
CAS NUMBER					
HMIS HEALTH= FLAMMABILITY= REACTIVITY=					
VINYL CHLORIDE-VINYL ACETATE-VINYL ALCOHOL					
ISOPROPYL ALCOHOL	0.4	400		400	
CAS NUMBER 67-63-0					
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0					
OXYGENATED HYDROCARBON MIXTURE.IPA					
METHYL AMYL KETONE	0.9	50		100	
CAS NUMBER 110-43-0					
HMIS HEALTH=3 FLAMMABILITY=3 REACTIVITY=0					
METHYL AMYL KETONE					
STODDARD SOLVENT	< 0.1	100		100	
CAS NUMBER 8052-41-3					
HMIS HEALTH=2 FLAMMABILITY=2 REACTIVITY=0					
HYDROCARBON MIXTURE					

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

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SECTION III - PHYSICAL DATA

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BOILING RANGE: 132.1 TO 345.0 F      VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN ETHER  
PERCENT VOLATILE BY VOLUME: 63.4      VOC (less water): 4.51 LBS/GAL  
WEIGHT PER GALLON: 9.43 POUNDS

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

VAPOR PRESSURE: NA      MELTING POINT: NA

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: MEDIUM GRAY (#49) LIQUID

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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OSHA CATEGORY: FLAMMABLE LIQUID

FLASH POINT : 66 F TCC      LEL: 1.0      UEL: NA

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.

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SECTION V - HEALTH HAZARD DATA

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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  
OSHA, 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.

Pre-Existing 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.

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SECTION VI - REACTIVITY DATA

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STABILITY: NORMALLY 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: WILL NOT OCCUR

CONDITIONS TO AVOID:

None known

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SECTION VII - SPILL OR LEAK PROCEDURES

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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.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

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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.

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SECTION IX - SPECIAL PRECAUTIONS

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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: 1/30/99

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: 8112            GLYPTAL

7.2% METHYL ETHYL KETONE (CAS # 78-93-3 )  
4.4% VINYL CHLORIDE COMPOUND (CAS# 75-01-4)  
38.4% XYLENE (CAS NUMBER 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 FILE FORM R REPORTS.