

MATERIAL SAFETY DATA**SECTION I**

MANUFACTURER: GLYPTAL, INC.
 305 EASTERN AVE
 CHELSEA, MA 02150
 TELEPHONE: 617-884-6918
 PRODUCT CLASS: ALKYD PRIMER
 CODE IDENTIFICATION: C1968CAB-
 TRADE NAME: GLYPTAL

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT BY WEIGHT	PPM	ACGIH TLV mg/cu.m.	OSHA PEL mg/cu.m.
BUTYL ACETATE	11.9	150		150
CAS NUMBER 123-86-4				
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0				
BUTYL ACETATE				
AROMATIC 100	8.3	100		100
CAS NUMBER 64742-95-6				
HMIS HEALTH=2 FLAMMABILITY=2 REACTIVITY=0				
AROMATIC HYDROCARBON MIXTURE				
2-PROPANOL-1-METHOXY ACETATE	0.5	NE		
CAS NUMBER 108-65-6				
HMIS HEALTH=1 FLAMMABILITY=2 REACTIVITY=0				
2-PROPANOL-1-METHOXY ACETATE				
ELEMENTAL CARBON	<0.1		3.5	
CAS NUMBER 1333-86-4				
HMIS HEALTH=0 FLAMMABILITY=0 REACTIVITY=0				
CARBON BLACK				
METHYL PROPYL KETONE	5.4			200
CAS NUMBER 107-87-9				
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0				
METHYL PROPYL KETONE				
VM&P NAPHTHA	4.5	300		300
CAS NUMBER 8030-30-6				
HMIS HEALTH=2 FLAMMABILITY=3 REACTIVITY=0				
ALIPHATIC HYDROCARBON				
STODDARD SOLVENT	<0.1	100		100
CAS NUMBER 8052-41-3				
HMIS HEALTH=2 FLAMMABILITY=2 REACTIVITY=0				
HYDROCARBON MIXTURE				
ZINC STEARATE	1.8		10	

CAS NUMBER 557-05-1

HMIS HEALTH=2 FLAMMABILITY=1 REACTIVITY=0

ZINC STEARATE

BUTYL ACETATE (CAS # 123-86-4) AGENCY OSHATYPE STEL.EXPOSURE LIMIT 200 PPM.
VM & P (CAS# 8030-30-6). AGENCY OSHA.TYPE STEL. EXPOSURE LIMIT 400 PPM.

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: 212.0 TO 345.0 F

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME: 49.6

VOC (less water): 3.42LB/GL MAX

WEIGHT PER GALLON: 11.36 POUNDS

Solvent density is 7.15 lb/gl. At this solvent density allowable voc is 3.45 lb/gl.

VAPOR PRESSURE: N/A MELTING POINT: NA

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND ODOR: GRAY LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

OSHA CATEGORY: FLAMMABLE

FLASH POINT: 45.0 F PENSKEY-MARTIN

LEL: I

UEL: NA

(lowest flashing component)

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 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.

SECTION VI - REACTIVITY DATA

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

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 I 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: 6/12/99

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: C1968CAB GLYPTAL

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.

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