

INTERNATIONAL BIOTECHNOLOGIES INC. -- 05160-05164 PHENOL -- 6810-01-280-9666

===== Product Identification =====

Product ID:05160-05164 PHENOL

MSDS Date:05/01/1985

FSC:6810

NIIN:01-280-9666

MSDS Number: BGWZL

=== Responsible Party ===

Company Name:INTERNATIONAL BIOTECHNOLOGIES INC.

Address:275 WINCHESTER AVE.

Box:9558

City:NEW HAVEN

State:CT

ZIP:06535

Country:US

Info Phone Num:800-243-2355

Emergen

cy Phone Num:203-786-5600

Preparer's Name:D. VILLANO

CAGE:0C592

=== Contractor Identification ===

Company Name:INTERNATIONAL BIOTECHNOLOGIES INC

Address:25 SCIENCE PK

Box:City:NEW HAVEN

State:CT

ZIP:06511

Country:US

Phone:203-786-5600

CAGE:0C592

===== Composition/Information on Ingredients =====

Ingred Name:PHENOL

CAS:108-95-2

RTECS #:SJ3325000

Fraction by Wt: 100%

OSHA PEL:S, 5 PPM

ACGIH TLV:S, 5 PPM; 8990

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

===== Haz

ards Identification =====

LD50 LC50 Mixture:LD50 ORAL RAT=414 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS LIVER,KIDNEYS AND SKIN.

SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.

Effects of Overexposure:HEADACHE, DIZZINESS, DIMNESS OF VISION, IRREGULAR BREATHING, WEAK PULSE, DYSPNEA. PROLONGED EXPOSURE CAUSES DIGESTIVE DISTURBANCES, NERVOUS DISORDERS. CAN CAUSE DEATH

H.A

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF RESPIRATORY OR SKIN CONDITIONS MAY BE AT INCREASED RISK.

===== First Aid Measures =====

First Aid:EYES:FLUSH WITH PLENTY OF WATER.IF IRRITATION PERSISTS,SEE DOCTOR. SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER.IF IRRITATION PERSISTS SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR.GIVE CPR RINK MILK,EGG WHITES OR LARGE AMOUNTS OF WATER,DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:175F,80C

Autoignition Temp:Autoignition Temp Text:1319F

Extinguishing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES WHEN HEATED.

===== Accidental Release Measures =====

Spill Release Procedures:POISON!RESTRICT ACCESS.VENTILATE.CLEAN UP

USING METHODS THAT AVOID DUST GENERATION SUCH AS VACUUM OR WET DUST MOP & PLACE IN APPROPRIATE DISPOSAL CONTAINER & COVER.IF DUST IS GENERATED USE RESPIRATOR WITH COMBINATION CARTRIDGE FOR ORGANIC VAPOR & DUST

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED

AREA.PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT.KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:PERIODIC MEDICAL EX

AMINATIONS ARE RECOMMENDED FOR
INDIVIDUALS REGULARLY EXPOSED TO DUST OR MIST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR WITH
COMBINATION CARTRIDGE FOR ORGANIC VAPOR AND DUST, OR SCBA, AS
APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE LEVEL BELOW TLV. USE
ONLY IN VENTILATED AREAS.

Protective Gloves:RUBBER GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective

Equipment:PROTECTIVE SLEEVES,LABORATORY COATS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.DO NOT SHAKE
CLOTHING.REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health
NONE.

===== Physical/Chemical Properties =====

HCC:T3

Boiling Pt:B.P. Text:360F,182C

Melt/Freeze Pt:M.P/F.P Text:106F,41C

Vapor Pres:1

Vapor Density:3.24

Spec Gravity:1.0772

Evaporation Rate & Reference:1.0 (ETHER=1)

Solubility in Water:MODERATE

Appearance and Odor:WHIT

E CRYSTALLINE SOLID WITH CHARACTERISTIC
SWEET,TARRY ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS,CALCIUM HYPOCHLORITE.

Stability Condition to Avoid:HEAT.

Hazardous Decomposition Products:CARBON MONOXIDE,CARBON DIOXIDE,TOXIC
FUMES.

===== Disposal Considerations =====

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN
COVERED CONTAINERS PENDING

NG DISPOSAL.DISPOSE OF IN ACCORDANCE WITH
FEDERAL.STATE AND LOCAL REGULATIONS. MAY BE SOLD AS SCRAP FOR
RECLAIM.

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