

ABLESTIK LABS -- ABLEBOND 163-4 & 163-4 LVFF PART C -- 8040-01-316-1900

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

Product ID:ABLEBOND 163-4 & 163-4 LVFF PART C

MSDS Date:12/05/1988

FSC:8040

NIIN:01-316-1900

Kit Part:Y

MSDS Number: BPFMT

=== Responsible Party ===

Company Name:ABLESTIK LABS

Address:20021 SUSANA RD

City:RANCHO DOMINQUEZ

State:CA

ZIP:90021

Country:US

Info Phone Num:213-764-4600

Emergency Pho

ne Num:800-424-9300(CHEMTREC)

CAGE:9V874

=== Contractor Identification ===

Company Name:ABLESTIK LABS

Address:833 WEST 182ND ST

Box:9067

City:GARDENA

State:CA

ZIP:90248

Country:US

Phone:213-532-9341

CAGE:9V874

Company Name:ABLESTIK LABS SUB OF NATIONAL STARCH AND CHEMICAL

Address:20021 SUSANA RD

Box:City:COMPTON

State:CA

ZIP:90221

Country:US

Phone:310-764-4600

CAGE:21109

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

Ingred Name:COPPER

CAS:7440-50-8

RTECS #:GL5325000

Frac

tion by Wt: 100%
OSHA PEL:0.1MG/M3 FUME;1 DUST
ACGIH TLV:0.2MG/M3 FUME;1 DUST
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL: INHALATION OF HIGH
CONCENTRATIONS OF DUST, MAY CAUSE INTENSE SNEEZING, NAUSEA,
WEAKNESS AND FEVER. SKI
N: NOT APPLICABLE. EYES: CAN CAUSE
IRRITATION. MAY CAUSE DAMAGE TO EYES. ABSORBED THRU SKIN :
INFORMATION NOT AVAILABLE. INGEST: NOT AVAILABLE. CHRONIC: CAN
CAUSE HEMOLYSIS OF RED BLOOD CELLS, (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ: DEPOSITION OF HEMOFUSION IN LIVER AND
POSSIBLE INJURY TO LUNG CELLS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH WITH WATER FOR AT LEAST 15 MIN. SEEK MEDICAL
ATTENTION. SKIN: WASH IMMED WITH SOAP AND WATER. IF IRRITATION
PERSISTS, SEEK MED ATTN. INHAL: REMOVE TO FRESH AIR IMMEDIATELY.
INGEST: SEEK MED ATTN IMMED AND SHOW INSERT CARD.

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

Extinguishing Media:GRAPHITE, DOLOMITE OR SODIUM CHLORIDE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT . DO NOT US
E WATER.
Unusual Fire/Explosion Hazard:COPPER POWDER BELOW 50 MICRON SIZE RANGE
IS CLASSIFIED AS WEAKLY EXPLO MATL. WHEN PRESENT AS DUST CLOUD WILL
NOT EXPLODE READILY IN AIR. NOT EASILY (SUPP DATA)

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

Spill Release Procedures:COLLECT FOR DISPOSAL AVOIDING DUST CLOUDS. USE
BROOM, OR VACUUM.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling

and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND FLAME. NO SMOKING. STORE IN COOL DRY AREA.

Other Precautions:AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID INHALATION OF VAPORS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED MASK FOR TOXIC DUST TO PROTECT AGAINST DUSTS.

Ventilation:VENTILATION EQUIPMENT TO REMOVE DUST.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Pro

TECTIVE Equipment:PROTECTIVE EQUIPMENT TO COVER EXPOSED AREAS.

Work Hygienic Practices:AVOID CREATING DUST CLOUDS. GOOD HOUSEKEEPING IS REQUIRED.

Supplemental Safety and Health

EXPLO HAZ: IGNITED BY SPARKS.

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

Vapor Pres:1

Spec Gravity:3.6

Evaporation Rate & Reference:0.001(BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:REDDISH BROWN POWDER; ODORLESS.

Percent Volatiles by Volume: