

AMALGAMATED COAL AND PETROLEUM SPECIALISTS,INC, -- BIOCID E FSP-55/JF --
6840-01-173-6940

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

Product ID:BIOCID E FSP-55/JF

MSDS Date:08/31/1990

FSC:6840

NIIN:01-173-6940

MSDS Number: BGPRS

=== Responsible Party ===

Company Name:AMALGAMATED COAL AND PETROLEUM SPECIALISTS,INC,

Address:6211 DISCOUNT DRIVE

Box:9798

City:FORT WAYNE

State:IN

ZIP:46899

Country:US

Info Phone

Num:219-489-2549/2540

Emergency Phone Num:219-747-7828/FAX 219-489-9834

Preparer's Name:GARY G. PIPENGER

CAGE:63084

=== Contractor Identification ===

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

Ingred Name:HYDROTREATED HEAVY NAPHTHA

CAS:64742-48-9

Fraction by Wt: 4.5%

Ingred

Name:2,2'-(1-METHY

LTRIMETHYLENEDIOXY)BIS-(4-METHYL-1,3,2-DIOXABORIN
ANE)

Fraction by Wt: 67.6%

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:2,2'-OXYBIS(4,4,6-TRIMETHYL-1,3,2-DIOXABORINANE

Fraction by Wt: 27.4%

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:INERT MATERIALS

Fraction by Wt: 0.5%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 3.16 ML/KG

Routes of Entry: Inhalation:

YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE-ORAL:MAY CAUSE NAUSEA &
VOMITING.INHALE:MAY CAUSE DIZZINESS & NAUSEA.EYE:SLIGHT TO MODERATE
IRRITATION.SKIN:MAY CAUSE ERYTHEMA IF NOT WASHED OFF AFTER
CONTACT.CHRONIC-MAY CAUSE SKIN ERYTHEMA & EDEMA & CONJUNCTIVITIS
IN EYES.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:ORALLY MAY CAUSE NAUSEA & VOMITING. INHALATION
MAY CAUSE DIZZINE

SS & NAUSEA. MAY CAUSE SLIGHT TO MODERATE
IRRITATION OF EYES. MAY CAUSE SKIN ERYTHEMA IF NOT WASHED OFF AFTER
CONTACT.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:EYES:FLUSH W/TEPID WATER FOR 15 MINUTES, CONSULT PHYSICIAN.
SKIN:WASH WITH SOAP & WATER INHALATION:REMOVE TO FRESH AIR.
INGESTION:DO NOT INDUCE VOMITING.IF CONSCIOUS,DRINK 2-

3 GLASSES OF
WATER/MILK. CONSULT A PHYSICIAN. NOTE TO PHYSICIAN: TREAT FOR
PETROLEUM DISTILLATE EXPOSURE. MATERIAL DECOMPOSES TO GLYCOL & BORIC
ACID.

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

Flash Point Method: TCC
Flash Point: 102F, 39C
Extinguishing Media: USE CARBON DIOXIDE, FOAM - TYPE B OR DRY CHEMICAL.
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard: NONE

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

Spill Release Procedures: USE PROPER PERSONAL PROTECTION. USE ORGANIC
LIQUID ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL. DO NOT
CONTAMINATE WATER, FOOD OR FEED.
Neutralizing Agent: NOT APPLICABLE.

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

Handling and Storage Precautions: STORE IN COOL, DRY, VENTILATED AREA AWAY
FROM MOISTURE, HEAT & FLAMES.
Other Precautions: AVOID PRODUCT EXPOSURE TO ATMOSPHERIC MOISTURE. KEEP
CONTAINER CLOSED. AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE
VAPORS OR MISTS.

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

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC
VAPORS IF THERE IS POOR VENTILATION.
Ventilation: LOCAL/GENERAL TO MAINTAIN ADEQUATE VENTILATION
Protective Gloves: IMPERVIOUS
Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment: EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING.
Supplemental Safety and Health

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

HCC: F4
Spec Gravity: 1.05
Solubility in Water: NONE, HYDROLYSES
Appearance and Odor: YELLOW LIQUID WITH AROMATIC ODOR

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

ivity Data =====

Stability Indicator/Materials to Avoid:YES

EXPOSURE TO WATER.

Stability Condition to Avoid:HEAT, FLAMES, EXPOSURE TO WATER, OPEN
CONTAINERS

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:COVERED LANDFILL. CONSULT YOUR STATE PESTICIDE
OR ENVIRONMENTAL CONTROL AGENCY OR HAZARDOUS WASTE REPRESENTATIVES
AT THE NEAREST EPA REGIONAL OFFICE. DISPOSAL MUST BE MADE IN
ACCORDA
NCE WITH ALL APPLI CABLE FEDERAL, STATE AND LOCAL
REGULATIONS.

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