

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 React =====

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 APPLICABLE FEDERAL, STATE AND LOCAL
REGULATIONS.

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