

FMC CORP -- REOLUBE(R) MP 280B -- 9150-01-113-2046

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

Product ID:REOLUBE(R) MP 280B

MSDS Date:11/01/1994

FSC:9150

NIIN:01-113-2046

MSDS Number: BGMJW

=== Responsible Party ===

Company Name:FMC CORP

Address:2000 MARKET ST.

City:PHILADELPHIA

State:PA

ZIP:19103-3230

Country:US

Info Phone Num:215-299-6000

Emergency Phone Num:215-299-6000

CAGE:93090

=== Contractor Ident

ification ===

Company Name:FMC CORP AGRICULTURAL CHEMICAL DIV

Address:1735 MARKET ST

Box:City:PHILADELPHIA

State:PA

ZIP:19103-3230

Country:US

Phone:303-595-9048/800-321-1362

CAGE:91976

Company Name:FMC CORP CHEMICAL PRODUCTS GROUP

Address:2000 MARKET ST.

Box:City:PHILADELPHIA

State:PA

ZIP:19103-3230

Country:US

Phone:215-200-6000

CAGE:93090

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

Ingred Name:TERT-BUTYL PHENYL PHENYL PHOSPHATE

CAS:68937-40-6

Fraction by Wt: 60-100%

O

ther REC Limits:NONE RECOMMENDED

Ingred Name:TRIPHENYL PHOSPHATE

CAS:115-86-6

RTECS #:TC8400000

Fraction by Wt: 7-13%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:3 MG/M3

ACGIH TLV:3 MG/M3; 9394

Ingred Name:MIL-H-1945C LIMITS TRI-O-CRESYL PHOSPHATE (TOCP) TO 1% MAX.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50 >5000 MG/KG ORAL-RAT

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

Reports of Carcinogenicity:NTP:NO IARC:N

O OSHA:NO

Health Hazards Acute and Chronic:RESPIRATORY TRACT IRRITATION, MUCOUS
MEMBRANE IRRITATION, NEUROLOGICAL DISTURBANCES, NEUROTOXICITY
CHARACTERIZED BY ATAXIA AND TREMORS.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:RESPIRATORY TRACT IRRITATION, MUCOUS MEMBRANE
IRRITATION, NEUROLOGICAL DISTURBANCES.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORS

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION
OCCURS AND PERISTS, OBTAIN MEDICAL ATTENTION. SKIN: WASH WITH
PLENTY OF SOAP AND WATER. GET MEEDICAL ATTENTION, IF IRRITATION
PERSISTS. IN HALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT
OR DISCOMFORT OCCURS, ALL A PHYSICIAN. INGESTION: INDUCE VOMITING
BY TOUCHING BACK OF THROAT WITH FINGER. CALL A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:470F,243C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NONE EXPECTED. FIRE OR EXCESSIVE HEAT MAY CAUSE

PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. CONTAIN FREE MATERIAL IF POSSIBLE. USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. AVOID EXCESS HEAT, I

GNITION SOURCES.

Other Precautions:REMOVE CONTAMINATED CLOTHING IMMEDIATELY, WASH BEFORE REUSE. USE ALL APPROVED PERSONAL HYGIENE PRACTICES.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other P

rotective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:V6

Boiling Pt:B.P. Text:428F,220C

Vapor Pres:0

.033
Vapor Density:NOT GIVEN
Spec Gravity:1.145-1.165
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR BLUE LIQUID,ODORLESS

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

Stability Indicator/Materials to Avoid:YES
NONE REPORTED
Stability Condition to Avoid:HIGH TEMPERATURES
Hazardous Decomposition Products:PHENOL, ALKYL PHENOLS, ARYL PHOSPHORIC
ACIDS WHEN HYDROLYZED

===== Disposal Considerations =====
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Waste Disposal Methods:CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE MADE
IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND
REGULATIONS.

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