

OPTISPERSE ADJ560

MSDS Number

CJPPJ

National Stock Number

6850-00N091633

Product Name

OPTISPERSE ADJ560

Manufacturer

BETZDEARBORN INC

Product Identification

Product ID: OPTISPERSE ADJ560

MSDS Date: 05/23/1997

FSC: 6850

NIIN: 00N091633

Status Code: A

MSDS Number: CJPPJ

Responsible Party

BETZDEARBORN INC

4636 SOMERTON ROAD

TREVOSE , PA 19053

US

Emergency Phone: 800-877-1940

Info Phone: 215-355-3300

Cage: 24774

Contractor

BETZDEARBORN INC.

TREVOSE, PA 19053

US

215-355-3300

Cage: 24774

Ingredients

SODIUM HYDROXIDE (CAUSTIC SODA) (CORROSIVE; TOXIC (BY

CAS: 1310-73-2

RTECS: WB4900000

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3, C

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

POTASSIUM HYDROXIDE (CAUSTIC POTASH) (CORROSIVE; TOXIC (BY

CAS: 1310-58-3

RTECS: TT2100000

OSHA PEL2 MG/M3, C

ACGIH TLV: 2 MG/M3, C

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:LD50:(ORAL,RAT) 350 MG/KG (ESTIMATED).

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

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

Health Hazards Acute and Chronic:ACUTE: SKIN EFFECTS: PRIMARY ROUTE OF EXPOSURE; CORROSIVE TO SKIN. EYE EFFECTS: CORROSIVE TO EYES.

INHALATION: MISTS/AEROSOLS CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT. INGESTION: TOXIC; MAY CAUSE SEVERE IRRITATION OR BURNING OF THE GASTROINTESTINAL TRACT. TARGET ORGANS: PROLONGED OR REPEATED EXPOSURES MAY CAUSE TISSUE NECROSIS.

Explanation of Carcinogenicity:NO COMPONENT IS CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AT OSHA THRESHOLDS FOR CARCINOGENS.

Effects of Overexposure:CAUSES SEVERE IRRITATION, BURNS OR TISSUE ULCERATION WITH SUBSEQUENT SCARRING.

Medical Condition Aggravated by Exposure:NOT KNOWN.

First Aid

First Aid:SKIN: REMOVE CLOTHING. WASH AREA WITH LARGE AMOUNTS OF SOAP SOLUTION OR WATER FOR 15 MINUTES. IMMEDIATELY CONTACT MD. EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IMMEDIATELY CONTACT MD FOR ADDITIONAL TREATMENT. INHALATION: REMOVE VICTIM FROM CONTAMINATED AREA. APPLY NECESSARY FIRST AID TREATMENT. IMMEDIATELY CONTACT MD. INGESTION: DO NOT FEED ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM. DO NOT INDUCE VOMITING. IMMEDIATELY CONTACT MD. DILUTE CONTENTS OF STOMACH USING 3-4 GLASSES MILK OR WATER.

Fire Fighting

Flash Point Method:PMCC

Flash Point:>93.3C, 200.F

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION (DESTRUCTIVE FIRES) YIELDS ELEMENTAL OXIDES. NFPA/HMIS CODE: HEALTH - 3; FIRE - 0; REACTIVITY - 0.

Accidental Release

Spill Release Procedures:VENTILATE AREA. USE SPECIFIED PROTECTIVE EQUIPMENT. CONTAIN AND ABSORB ON ABSORBENT MATERIAL. PLACE IN WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.

Handling

Handling and Storage Precautions:ALKALINE. CORROSIVE (SKIN/EYES). DO NOT MIX WITH ACIDIC MATERIAL. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM ACIDS AND REDUCING AGENTS.

Exposure Controls

Respiratory Protection:A RESP PROT PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 & ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESP'S USE. USE NIOSH APPROVED AIR PURIFYING RESPS W/IN USE LIMITATIONS ASSOCIATED W/EQUIP OR ELSE USE NIOSH APPROVED SUPPLIED-AIR RESPS. IF AIR-PURIFYING RESP USE IS APPROP, USE A NIOSH APPROVED RESP WITH DUST/MIST FILTERS.

Ventilation:ADEQUATE VENTILATION TO MAINTAIN AIR CONTAMINANTS BELOW EXPOSURE LIMITS.

Protective Gloves:GAUNTLET-TYPE NEOPRENE GLOVES. WASH OFF AFTER EACH USE. REPLACE AS NEC.

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES & FULL LENGTH

FACESHIELD .

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER .
CHEMICAL RESISTANT APRON - WASH OFF AFTER EACH USE. REPLACE AS
NECESSARY. USE PROTECTIVE EQUIPMENT I/A/W 29 CFR 1910 SUBPART 1.

Supplemental Safety and Health

WASTE DISP METH: CORROSIVE (PH). PLEASE BE ADVISED; HOWEVER, THAT STATE
AND LOCAL REQUIREMENTS FOR WASTE DISPOSAL MAY BE MORE RESTRICTIVE
OR OTHERWISE DIFFERENT FROM FEDERAL REGULATIONS. CONSULT STATE AND
LOCAL REGULATIONS REGARDING THE PROPER DISPOSAL OF THIS MATERIAL.

Chemical Properties

Melt/Freeze Pt:=-1.1C, 30.F

M.P/F.P Text:FREEZE POINT

Vapor Pres:16.0 MM HG

Vapor Density:Spec Gravity:1.521 @ 70F

pH:(~)>13 (AS IS)

Viscosity:70 CPS @ 70F

Evaporation Rate & Reference:Solubility in Water:100%

Appearance and Odor:COLORLESS LIQUID; NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES

MAY REACT WITH ACIDS.

Stability Condition to Avoid:STABLE UNDER NORMAL STORAGE CONDITIONS.

BETZ INTERNAL PUMPOUT/CLEANOUT CATEGORIES: "C".

Hazardous Decomposition Products:THERMAL DECOMPOSITION (DESTRUCTIVE
FIRES) YIELDS ELEMENTAL OXIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:DISP MUST BE I/A/W FED, STATE & LOC REGS . WATER
CONTAM W/THIS PROD MAY BE SENT TO SANIT SEWER TREATMENT FACILITY,
I/A/W ANY LOC AGREEMENT, PERMITTED WASTE TREATMENT
FACILITY/DISCHARGED UNDER PE RMIT. PROD AS IN - INCIN/LAND DISP IN
APPRVD LANDFILL. IF THIS UNDILUTED PROD IS DISCARDED AS WASTE;
U.S. RCRA HAZ WASTE ID # IS: D002 = (SUPP DATA)

Toxicology

Toxicological Information:LD50:(DERMAL,RABBIT) >1,000 MG/M3 (NOTE -
ESTIMATED VALUE). SODIUM HYDROXIDE AND POTASSIUM HYDROXIDE ARE
CORROSIVE; TOXIC (BY INGESTION).

Other Information

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.

Ecology

Ecological:AQUATIC TOXICOLOGY: NO DATA AVAILABLE. BIODEGRADATION: NO
DATA AVAILABLE.

Transport

Transport Information:DOT HAZARD: CORROSIVE TO SKIN. UN/NA NUMBER:
UN1719. DOT EMERGENCY RESPONSE GUIDE #: 154.

Regulatory

SARA Title III Information:CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):
241 GALLONS DUE TO SODIUM HYDROXIDE (CAUSTIC SODA); 509 GALLONS DUE
TO POTASSIUM HYDROXIDE (CAUSTIC POTASH). SARA SECTION 312 HAZARD
CLASS: IMMEDIATE (ACUT E); DELAYED (CHRONIC). SARA SECTION 302
CHEMICALS: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS.
SARA SECTION 313 CHEMICALS: NO REGULATED CONSTITUENT PRESENT AT

OSHA THRESHOLDS.

Federal Regulatory Information: INFORMATION FOR SPECIFIC PRODUCT INGREDIENTS AS REQUIRED BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD. TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY. FOOD AND DRUG ADMINISTRATION: ALL INGREDIENTS IN THIS PRODUCT ARE AUTHORIZED FOR USE AS BOILER WASTE ADDITIVES WHERE THE STEAM PRODUCED MAY CONTACT FOOD. USDA FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: SEC.G6.G5.

State Regulatory Information: CALIFORNIA REGULATORY INFORMATION: CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS. MICHIGAN REGULATORY INFORMATION: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS.