

AKZO NOBEL FUNCTIONAL CHEMICALS LLC -- DISSOLVINE NA2-S -- 6810-01-450-6224

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

Product ID:DISSOLVINE NA2-S

MSDS Date:01/02/2001

FSC:6810

NIIN:01-450-6224

Status Code:A

MSDS Number: CLGNJ

=== Responsible Party ===

Company Name:AKZO NOBEL FUNCTIONAL CHEMICALS LLC

Address:1747 FORT AMANDA ROAD

City:LIMA

State:OH

ZIP:45804

Country:US

Info Phone Num:419-229-0088

Emergen

cy Phone Num:914-693-6946

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO556

=== Contractor Identification ===

Company Name:AKZO NOBEL FUNCTIONAL CHEMICALS LLC

Address:1747 FORT AMANDA ROAD

Box:City:LIMA

State:OH

ZIP:45804

Country:US

Phone:419-229-0088

CAGE:UO556

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

Contract Num:SP0450-01-M-ZE12

CAGE:75656

=====
Composition/Information

on Ingredients =====

Ingred Name:DISODIUM EDTA
CAS:139-33-3
RTECS #:AH4375000
Minumum % Wt:89.
Maxumum % Wt:91.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT DETERMINED
OSHA STEL:NOT DETERMINED
ACGIH TLV:NOT DETERMINED
ACGIH STEL:NOT DETERMINED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Minumum % Wt:9.
Maxumum % Wt:11.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT DETERMINED
OSHA STEL:NOT DETERMINED
ACGIH TLV:NOT DETERMINED
ACGIH STEL:NOT DETERMINED

===== Hazards I
dentification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: OVEREXPOSURE TO THIS
PRODUCT MAY AFFECT THE SKIN, EYES AND RESPORATORY SYSTEM. ACUTE:
INHALATION: INHALATION OF POWDER, DUST OR FUMES MAY BE IRRITATING
TO THE RESPIRATORY SYSTEM. SKIN: SKIN CONTACT MAY CAUSE
IRRITATION. EYE: EYE CONTACT MA
Y CAUSE IRRITATION. INGESTION: IF
SWALLOWED, THIS PRODUCT MAY CAUSE IRRITATION OF THE MOUTH, THROAT
AND STOMACH AND MAY CAUSE NAUSA AND VOMITING. CHRONIC: NONE KNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: INHALATION OF POWDER, DUST OR FUMES
MAY BE IRRITATING TO THE RESPIRATORY SYSTEM. SKIN: SKIN CONTACT MAY
CAUSE IRRITATION. EYE: EYE CONTACT MAY CAUSE IRRITATION. INGESTION:
IF SWALLOWED, TH IS PRODUCT MAY CAUSE IRRITATION OF THE MOUTH,
T

HROAT AND STOMACH AND MAY CAUSE NAUSA AND VOMITING.

Medical Cond Aggravated by Exposure: THERE ARE NO DATA AVAILABLE THAT ADDRESSES MEDICAL CONDITIONS THAT ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN WITH A PHYSICIAN'S ADVICE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. EYE C

ONTACT:

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR A MINIMUM OF 15 MINUTES. HOLD EYELIDS APART DURING FLUSHING. DO NOT NEUTRALIZE WITH CHEMICALS. OBTAIN MEDICAL ATTENTION IF IRRITATION OCCURS. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND PLENTY OF WATER. DO NOT NEUTRALIZE WITH CHEMICALS. INGESTION: GIVE SEVERAL GLASSES OF WATER. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF HEALTH EFFECTS OCCUR.

==

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

Flash Point: NOT RELEVANT

Lower Limits: N/D

Upper Limits: N/D

Extinguishing Media: THIS PRODUCT IS NONCOMBUSTIBLE. IF INVOLVED IN A FIRE, EXTINGUISHING AGENTS SUITABLE FOR SURROUNDING MATERIALS SHOULD BE USED.

Fire Fighting Procedures: AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES OR PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL FROM THE FIRE AREA. FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: NOT CONSIDERED A FIRE HAZARD. WHEN INVOLVED IN A FIRE. DOES NOT CONTRIBUTE ANY UNUSUAL HAZARDS. POTENTIAL FOR DUST EXPLOSION MAY EXIST. THIS PRODUCT IS NOT DEFINED AS FLAMMABLE OR COMBUSTIBLE. DEPENDING UPON CONDITIONS, DUSTS MAY BE SENSITIVE TO STATIC DISCHARGE. AVOID POSSIBILITY OF DRY POWDER AND FRICTION.

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

=

Spill Release Procedures:CLEANUP. STOP SOURCE OF SPILL. SWEEP UP
SPILLED SOLID MATERIAL, BEING CAREFUL NOT TO CREATE DUST. RETURN
SWEEPINGS TO STOCK OR, IF CONTAMINATED, PLACE INTO A CHEMICAL WASTE
CONTAINER FOR DISPOSAL

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED AND DRY.
SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. ISOLATE FROM
STRONG OXIDIZING AGENTS. STORE IN PVC, PE, STAINLESS STEEL. AVOID
CONTACT WITH ALUMINUM, COPPER, COPPER ALLOYS, NICKEL AND ZINC.
CONTAINER SHOULD NOT BE OPENED UNTIL READY FOR USE.

Other Precautions:AVOID PROLONGED AND/OR REPEATED SKIN AND EYE
CONTACT.MINIMIZE DUST GENERATION WHEN HANDLING THIS PRODUCT.

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

Respiratory Protection:IF HANDLING OPERATIONS LEAD TO DUSTING, WEAR A
NIOSH-APPROVED HALF-MASK, AIR PURIFYING RESPIRATOR WITH DUST,
MIST AND FUME FILTERS. WHEN USING RESPIRATOR CARTRIDGES OR CANISTERS,
THEY MUST BE CHANGED FREQUENTLY (FOLLOWING EACH USE OR AT THE END
OF THE WORKSHIFT) TO ASSURE BREAKTHROUGH EXPOSURE DOES NOT OCCUR.

Ventilation:SPECIAL VENTILATION IS USUALLY NOT REQUIRED UNDER NORMAL
USE CONDITIONS. GENERAL PLANT VENTILATION SHOULD BE ADEQUATE IN
MOST CASES.

Protective Gloves:GLOVES SELECTED WITH REGARD FOR USE CONDITION
EXPOSURE POTENTIAL

Eye Protection:INDIRECT VENTED, DUST-TIGHT GOGGLES ARE RECOMMENDED

Other Protective Equipment:SUITABLE PROTECTIVE CLOTHING SELECTED WITH
REGARD FOR USE CONDITION EXPOSURE POTENTIAL

Work Hygienic Practices:BEFORE EATING, DRINKING, OR SMOKING, HANDS AND
FACE SHOULD BE THOROUGHLY WASHED.

Supplemental Safety and Health

ALL FOOD AND SMOKING MATERIALS SHOULD BE KEPT IN A SEPARATE AREA AWAY
FROM THE STORAGE/USE LOCATION. EATING, DRINKING AND SMOKING SHOULD
BE PROHIBITED IN AREAS WHERE THERE IS A POTENTIAL FOR SIGNIFICANT

EXPOSURE TO THIS MATERIAL.

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

HCC:C3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT DETERMINED

Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED

Decomp Temp:Decomp Text:NOT PROVIDED BY MFR

Vapor Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:0.72 (BULK DENSITY)

pH:4.8-5.8(1% SOL)

Evaporation Rate & Reference:NOT DETERMINED

Solubility in Water:AP 10%

Appearance and Odor:WHITE, CRYSTALLINE SOLID; ODORLESS.

Percent Volati

les by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, IRON, BRASS, COPPER, ALUMINUM, ZINC, COPPER ALLOYS
AND STRONG ALKALI.

Stability Condition to Avoid:CONTACT WITH INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:DECOMPOSITION PRODUCTS ARE CARBON
DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES, SODIUM HYDROXIDE,
AMMONIA, AND WATER VAPOR.

=====

===== Toxicological Information =====

Toxicological Information:INHALATION, DERMAL, SKIN, INGESTION: TOXICITY
DATA ARE NOT AVAILABLE FOR THIS PRODUCT. EYE-THIS PRODUCT MAY
CAUSE EYE IRRITATION. LD50 (ORAL, RAT) > 2,000 MG/KG (SLIGHTLY
TOXIC TO PRACTICALLY NONTOX IC). TARGET ORGANS: OVEREXPOSURE TO
THIS PRODUCT MAY AFFECT THE SKIN, EYES AND RESPIRATORY SYSTEMS.

===== Ecological Information =====

Ecological:THE ECOLOGICAL TOXIC

ITY OF THIS PRODUCT IS NOT KNOWN.

HOWEVER, THE FOLLOWING IS AVAILABLE: FATHEAD MINNOWS-LC50 (96 HR.) FOR EDTA = 59.8 MG/L (SLIGHTLY TOXIC). THIS PRODUCT IS NOT EXPECTED TO BE READILY BIODEGRADABLE.

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

Waste Disposal Methods:IN ITS UNUSED CONDITION, THIS PRODUCT IS NOT CONSIDERED TO BE A RCRA DEFINED HAZARDOUS WASTE BY CHARACTERISTICS OR LISTINGS. IT IS RESPONSIBILITY OF WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTINGS . DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:THIS PRODUCT IS NOT REGULATED FOR SHIPPING. NO TRANSPORTATION LABEL REQUIRED. THIS PRODUCT DOES NOT CONTAIN AN ENVIRONMENTALLY HAZARDOUS SUBSTANCE PER 49 CFR 172.101, APPENDIX A.

===== Regulatory Information =====

SAR
A Title III Information:NOT PROVIDED
Federal Regulatory Information:TSCA: LISTED.
State Regulatory Information:NOT PROVIDED

===== 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.