Material Safety Data Sheet

SECTION 1. - - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - 
CATALOG #: 04270 
NAME: SODIUM DIHYDROGEN PHOSPHATE 
ASSAY: 98-100.5% 

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - - - 
CAS #: 7558-80-7 
MF: H2N\text{A}O_{4}P 
EC NO: 231-449-2 
SYNONYMS 
MONOSODIUM DIHYDROGEN PHOSPHATE * MONOSODIUM PHOSPHATE * MONOSORB XP-4 * PRIMARY SODIUM PHOSPHATE * SODIUM ACID PHOSPHATE * SODIUM BIPHOSPHATE * SODIUM BIPHOSPHATE ANHYDROUS * SODIUM PHOSPHATE, MONOBASIC * 

SECTION 3. - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - - 
LABEL PRECAUTIONARY STATEMENTS 
HYGROSCOPIC 

SECTION 4. - - - - - - - - - FIRST-AID MEASURES- - - - - - - - - - 
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN. 

SECTION 5. - - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - - - - 
EXTINGUISHING MEDIA 
WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. UNUSUAL FIRE AND EXPLOSIONS HAZARDS EMITS TOXIC FUMES UNDER FIRE CONDITIONS. 

SECTION 6. - - - - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - - - - - 
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. 

SECTION 7. - - - - - - - - - - HANDLING AND STORAGE- - - - - - - - - - 
REFER TO SECTION 8. 

SECTION 8. - - - - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - - - - - - 
SAFETY SHOWER AND EYE BATH. MECHANICAL EXHAUST REQUIRED. AVOID INHALATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. NIOSH/MSHA-APPROVED RESPIRATOR. COMPATIBLE CHEMICAL-RESISTANT GLOVES. CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
WASH THOROUGHLY AFTER HANDLING.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -
APPEARANCE AND ODOR
SOLID.
PHYSICAL PROPERTIES
PH: 4.0 - 4.5

SECTION 10. - - - - - - - - STABILITY AND REACTIVITY - - - - - - -
STABILITY
STABLE.
INCOMPATIBILITIES
PROTECT FROM MOISTURE.
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
SODIUM/SODIUM OXIDES
PHOSPHOROUS OXIDES
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - -
ACUTE EFFECTS
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
MAY CAUSE EYE IRRITATION.
MAY BE HARMFUL IF INHALED.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY BE HARMFUL IF SWALLOWED.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: WA1900000
SODIUM DIHYDROGEN PHOSPHATE (1:2:1)
IRRITATION DATA
EYE-HMN 50 MG MLD ARZNAD 9,349,1959
EYE-RBT 150 MG MLD ARZNAD 9,349,1959

TOXICITY DATA
ORL-RAT LD50:8290 MG/KG 28ZPAK -,16,1972
IMS-RAT LD50:250 MG/KG EMSUA8 4,223,1946
ADDITIONAL INFORMATION
ORL-RAT LD50:7100 MG/KG
SKN-RBT LD50:>7940 MG/KG
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - - - - ECOLOGICAL INFORMATION - - - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - -
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - - TRANSPORT INFORMATION - - - - - - -
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - - - - REGULATORY INFORMATION - - - - - - -
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
FEREAC 54,7740,1989
NOHS 1974: HZD 83818; NIS 107; TNF 9820; NOS 77; TNE 49018
NOES 1983: HZD 83818; NIS 123; TNF 13232; NOS 104; TNE 289281; TFE
145939
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. - - - - - - - - OTHER INFORMATION- - - - - - -
THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO