View NSN Online: https://aerobasegroup.co.il/nsn/6810-01-481-6872

ASTARIS LLC -- SODIUM HEXAMETAPHOSPHATE -- 6810-01-481-6872

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

Product ID:SODIUM HEXAMETAPHOSPHATE

MSDS Date:07/11/2000

FSC:6810

NIIN:01-481-6872

Status Code:A

MSDS Number: CLDJY

=== Responsible Party ===

Company Name: ASTARIS LLC

Address:622 EMERSON RD SUITE 500

City:SAINT LOUIS

State:MO

ZIP:63141-1160

Country:US

Info Phone Num:800-244-8169 / 909-983-0772

Emergen

cy Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:REFERENCE NUMBER: AST 10053

Chemtrec Ind/Phone:(800)424-9300

CAGE:1RKV8

=== Contractor Identification === Company Name: ASTARIS LLC

Address:622 EMERSON RD SUITE 500

Box:City:SAINT LOUIS

State:MO

ZIP:63141-1160

Country:US

Phone:800-244-8169 / 909-983-0772

CAGE:1RKV8

Company Name: WALTRON LTD

Address:50 TANNERY RD

Box:70

City:WHITEHOUSE

State:NJ

ZIP:08888-0070

Country:US

Phone:908-534-5654/FAX: 908-534-5694

Contract Num:SP0450-01-M-ZB11

CAGE:712

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| ====== Composition/Information on Ingredients ======== |
| Ingred Name:SODIUM HEXAMETAPHOSPHATE CAS:68915-31-1 RTECS #:TR4950250 = Wt:100. OSHA PEL:15 MG/M3(T DUST)8HR ACGIH TLV:19 MG/M3(INHAL)8HR |
| ========== Hazards Identification ============= |
| LD50 LC50 Mixture:ORAL, RAT, LD50:8,600 MG/KG Health Hazards Acute and Chronic:NO SIGNIFICIANT HAZARDS ASSOCIATED WITH THIS MATERIAL. EYE CONTACT: NO MORE THAN SLIGHTLY IRRITATING BASED ON TOXICITY STUDIES. TH E DRY MATERIAL MAY CAUSE FOREIGN BODY IRRITATION ON SOME INDIVIDUALS. SKIN CONTACT: NO MORE THAN SLIGHTLY TOXIC OR SLIGHTLY IRRITATING BASED ON TOXICITY STUDIES. PROLONGED CONTACT WITH THE DRY MATERIAL MAY CAUSE DRYING OR CHAPPING OF THE SKIN. INHALATION: INHALATION OF THE DUST MAY CAUSE COUGHING AND SNEEZING. INGESTION: NOT TOXIC IF SWALLOWED BASED ON TOXICITY STUDIES. NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED IF ONLY SMALL AMOUNTS (LESS THAN A MOUTHFUL) A |
| RE SWALLOWED. |
| Effects of Overexposure:EYE CONTACT: IRRITATATION. SKIN CONTACT: IRRITATION, DRYING OR CHAPPING OF SKIN. INHALATION: COUGHING AND SNEEZING. INGESTION: NO ADVERSE HEALTH EFFECTS EXPECTED IF ONLY SMALL AMOUNTS (LESS THAN A MOU THFUL) ARE SWALLOWED. |
| ====================================== |
| First Aid:IF IN EYES OR ON SKIN: IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. HOWEVER, THIS MATERIAL CAN BE REMOVED WITH WATER. REMOVE MAT ERIAL FROM EYES, SKIN AND CLOTHING. WASH HEAVILY CONTAMINATED CLOTH ING BEFORE REUSE. IF INHALED: IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. HOWEVER, IF SYMPTOMS OCCUR, |
| REMOVE TO FRESH AIR. IF SWALLOWED: IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. A PHYSI CIAN OR POISON CONTROL CENTER CAN BE CONTACTED FOR ADVICE. |

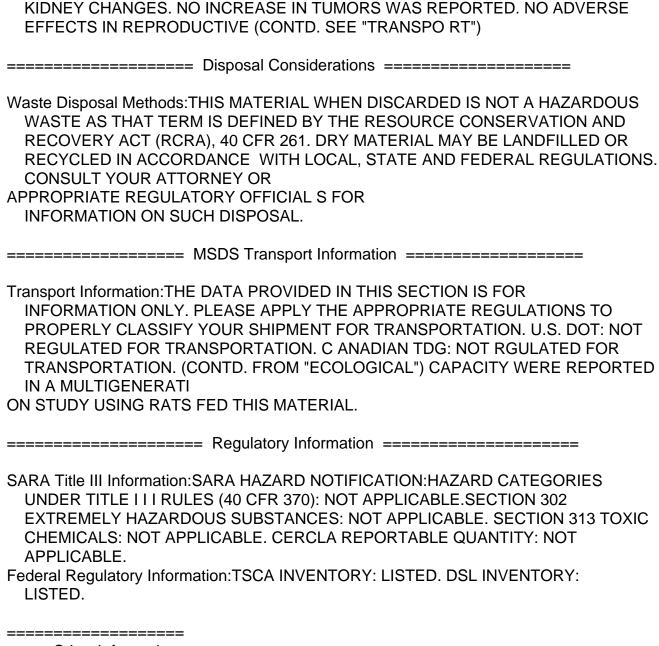
Flash Point:NON COMBUSTIBLE Lower Limits:NA Upper Limits:NA Extinguishing Media:N

| A Unusual Fire/Explosion Hazard:NONE KNOWN |
|---|
| ======== Accidental Release Measures ========== |
| Spill Release Procedures:SWEEP, SCOOP OR VACUUM AND REMOVE FOR DISPOSAL. FLUSH RESIDUAL SPILL AREA WITH WATER. |
| ====================================== |
| Handling and Storage Precautions:HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING. STORE IN A COOL, DR Y PLACE TO MAINTAIN PRODUCT PERFORMANCE. |
| ====== Exposure Controls/Personal Protection ======== |
| Respiratory Protection: AVOID BREATHING DUST. USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED. CONSULT THE RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT F OR A GIVEN APPLICATION. OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MFR. RE |
| SPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29 CFR 1910.134. Ventilation:PROVIDE NATURAL OR MECHANICAL VENTILATION TO CONTROL EXPOSURE LEVELS BELOW AIRBORNE EXPOSURE LIIMITS. LOCAL MECHANICAL EXHAUST VENTILATION IS PREFERRED. Protective Gloves:WEARING PROTECTIVE GLOVES IS RECOMMENDED TO MINIMIZE SKIN CONTAMINATION. Eye Protection:EYE PROTECTION NOT REQUIRED. USE GOOD INDUSTRIAL PRACTICE TO AVOID EYE CONTACT. Other Protective Equipment:OSHA AND ACGIH HAVE NOT ESTABLISHED E XPOSURE LIMITS FOR THIS MATERIAL. HOWEVER, OSHA AND ACGIH HAV ESTABLISHED LIMITS FOR PARTICULATES NOT OTHERWISE CLASSIFIED (PNOC). (SEE "TOXICOLOGICAL"). Work Hygienic Practices:USE GOOD INDUSTRIAL PRACTICE TO AVOID EYE CONTACT. MINIMIZE SKIN CONTAMINATION BY FOLLOWING GOOD INDUSTRIAL PRACTICE. WASH HANDS AND CONTAMINATED SKIN THOROUGHLY AFTER HANDLING. AVOID BREATHING DUST. Supplemental Safety and Health |
| ====================================== |

| Melt/Freeze Pt:=628.C, ######F Spec Gravity:POWDER:78-84 LB/FT3 pH:7.0 (AS 1% SOL) |
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| Solubility in Water:INFINITELY SOLUBLE Appearance and Odor:WHITE POWDER, GRANULES, OR GLASS PLATES, NO ODOR. |
| ========= Stability and Reactivity Data ========= |
| Stability Indicator/Materials to Avoid:YES NONE KNOWN. |
| Stability Condition to Avoid:SOLUTIONS OF THIS PRODUCT WILL HYDROLYZE TO FORM ORTHO PHOSPHATE AND OTHER SHORTER CHAIN PHOSPHATES. DISSOLUTION IS IMPACTED BY TERMPERATUR E AND PH OF THE SYSTEM. |
| Hazardous Decomposition Products:NONE KNOWN. Conditions to Avoid Polymerization:WILL NOT OCCUR. |
| ========= Toxicological Information ========== |
| Toxicological Information:AIRBORNE EXPOSURE LIMITS: OSHA PEL: 15 MG/M3 (TOTAL DUST) 8-HR TWA; 5 MG/M3 (RESPIRABLE) 8-HR TWA. ACGIH TLV: 10 MG/M3 (INHALABLE) 8-HR TWA; 3 MG/M3 (RESPIRABLE) 8-HR TWA. COMPONENTS REFERRED TO HEREI N MAY BE REGULATED BY SPECIFIC CANADIAN PROVINCIAL LEGISLATION. PLEA SE REFER TO EXPOSURE LIMITS |
| LEGISLATED FOR THE PROVINCE IN WHICH THE SUBSTANCE WILL BE USED. ORAL, RAT, LD50: 8,600 MG/KG; PRACTICA LLY NONTOXIC. DERMAL, RABBIT, LD50: >7,940 MG/KG; PRACTICALLY NONTOXIC. EYE IRRITATION, RABBIT: 1.3/110.0: SLIGHTLY IRRITATING. SKIN IRRITATION, RABBIT (24-HR EXP): 0.0/8.0; NONIRRITATING. RATS FED TH IS MATERIAL (CONTD. SEE "ECOLOGICAL") |
| ========= Ecological Information =========== |
| Ecological:ASTARIS HAS NOT CONDUC TED ENVIRONMENTAL TOXICITY OR BIODEGRADATION STUDIES WITH THIS PRODUCT. ASTARIS HAS NOT CONDUCTEDR BIODEGRADATION STUDIES WITH THIS PRODUCT SINCE WHEN DISSOLVED/HYDROLYZED IN WAT ER IT YIELDS COMPLETELY MINERALIZED |

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MATERIALS. (CONTD. FROM "TOXICOLOGICAL") IN THEIR DIET FOR ONE MONTH SHOWED DECREASED GROWTH, INCREASED KIDNEY, LUNG, AND SPLEEN WEIGHT, AND KIDNEY DAMAGE. RATS FED THIS MATERIAL FOR TWO YEARS ALSO SHOWED DECREASED WEIGHT GAIN, INCREASED KIDNEY WEIGHT, AND



==== Other Information ============

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