

SOLUTIA INC. -- SODIUM HEXAMETAPHOSPHATE -- 6810-00-935-3991

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

Product ID:SODIUM HEXAMETAPHOSPHATE

MSDS Date:09/13/1999

FSC:6810

NIIN:00-935-3991

Status Code:A

MSDS Number: CJSXR

=== Responsible Party ===

Company Name:SOLUTIA INC.

Address:10300 OLIVE BLVD

Box:66760

City:ST LOUIS

State:MO

ZIP:63166-6760

Country:US

Info Phone Num:800-426-7022/314-674-6661

Emergency

Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:068915311

Chemtec Ind/Phone:(800)424-9300

CAGE:1CHP6

=== Contractor Identification ===

Company Name:SOLUTIA INC.

Address:10300 OLIVE BLVD

Box:City:ST LOUIS

State:MO

ZIP:63166-6760

Country:US

Phone:334-473-8472

CAGE:1CHP6

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:SP0450-99-M-NG56

CAGE:71229

===== Composition/Information on

Ingredients =====

Ingred Name:SODIUM HEXAMETAPHOSPHATE

CAS:68915-31-1

RTECS #:TR4950250

= Wt:100.

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

Health Hazards Acute and Chronic:EYE CONTACT: NO MORE THAN SLIGHTLY IRRITATING BASED ON TOXICITY STUDIES. THE DRY MATERIAL MAY CAUSE FOREIGN BODY IRRITATION IN SOME INDIVIDUALS. SKIN CONTACT: NO MORE THAT SLIGHTLY TOXIC OR SLIGHTLY I RRRITATING BASED ON TOXICITY STUDIES. PROLONGED CONTACT WITH THE DRY MAT

ERIAL MAY CAUSE DRYING

OR CHAPPING OF THE SKIN. INHALATION: INHALATION OF THE DUST MAY CAUSE COUGHING AND SNEEZING. INGESTION: NO T TOXIC IF SWALLOWED BASED ON TOXICITY STUDIES. NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED IF ONLY SMALL AMOUNTS (LESS THAN A MOUTHFUL) ARE SWALLOWED. REFER TO SECTION ON TOXICOLOGICAL INFORMA TION.

Explanation of Carcinogenicity:NO SIGNIFICANT HAZARDS ASSOCIATED WITH THIS MATERIAL.

Effects of Overexposure:EYE CONTACT: NO MORE THAN SLIG
HTLY IRRITATING

BASED ON TOXICITY STUDIES. THE DRY MATERIAL MAY CAUSE FOREIGN BODY IRRITATION IN SOME INDIVIDUALS. SKIN CONTACT: NO MORE THAT SLIGHTLY TOXIC OR SLIGHTLY I RRRITATING 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: NO T TOXIC IF SWALLOWED BASED ON TOXICITY STUDIES.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

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. WASH HEAVILY CONTAMINATED CLOTHING BEFORE REUSE. IF INHALED. IMMEDIATE FIREST AID IS NOT LIKELY TO BE REQUIRED. HOWEVER, IF SYMPTOMS OCCUR, REMOVE TO FRESH AIR. REMOVE MATERIAL FROM EYES, SKIN AND CLOTHING. IF SWALLOWED, IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. A P

HYSICIAN OR POISON CONTROL CENTER CAN BE CONTACTED
FOR ADVICE. WASH HEAVILY CONTAMINATED CLOTHING BEFORE REUSE.

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

Flash Point:NON COMBUSTIBLE
Extinguishing Media:NOT APPLICABLE.
Fire Fighting Procedures:NOT PROVIDED
Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:IN CASE OF SPILL, SWEEP, SCOOP OR VACUM AND
REMOVE. FLUSH RESIDUAL SP
ILL AREA WITH WATER. REFER TO ECOLOGICAL
SECTION FOR DISPOSAL INFORMATION AND REGULATORY SECTION FOR
REPORTABLE QUANTITY INFORMATION .

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

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, DRY PLACE TO MAINTAIN PRODUCT
PERFORMANCE

E.
Other Precautions:NOT PROVIDED

===== 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 FOR A GIVEN APPLICATION.

Ventilation:PROVIDE NATURAL OR MECHANICAL VENTILATION TO CONTROL
EXPOSURE LEVELS BELOW AIRBORNE EXPOSURE LIMITS. LOCAL PREFERRED AT
SOURCES SUCH AS PROCESS EQUIPMENT

Protective Gloves:RECOMMENDED

Eye Protection:NOT REQUIRED BUT GOOD INDUSTRIAL HYGIENE PRACTICE TO
AVOID CONTACT RECOMMENDED.

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:USE GOOD INDUSTRIAL PRACTICE TO AVOID EYE
CONTACT. WASH HANDS AND CONTAMINATED SKIN THOROUGHLY AFTER
HANDLING.

Supplemental Safety and Health
NOT RELEVANT

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

HCC:N1

Melt/Freeze Pt:=628.C, #####

#F

Vapor Pres:NOT RELEVANT

Spec Gravity:NOT RELEVANT

pH:7.0 (1% SOLN)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INFINITE, BUT SLOW

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 TEMPERATURES AND PH OF THE SYSTEM.

Hazardous Decomposition Products:NONE KNOWN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:HAZARDOUS UNDER OSHA HAZCOM. DRY POWDER MAY CAUSE FOREIGN BODY IRRITATION IN SOME PEOPLE. EXCESSIVE INHALATION OF DUST MAY BE ANNOYING & CAN MECHANICALLY IMPEDE RESPIRATION. PROLONGED CONTACT W/DRY POWDER MAY CAUSE DRYING/CHAPPING OF SKIN.

TOX DATA: ORAL-RAT LD50: 6600 MG/KG (PRACTICALLY NONTOXIC), DERMAL-RABBIT LD50: >7940 MG/KG (PRACT NONTOXIC), EYE IRRITATION-RABBIT: 1.3/110.0 (SLIGHTLY IRRITATING), SKIN IRRITATION-RABBIT (24 HR EXP): 0.0/8.0 (NONIRRITATING). RATS FED MATERIAL IN DIET FOR 1 MONTH SHOWED DECREASED GROWTH, INCREASED KIDNEY, LUNG, SPLEEN WEIGHT & KIDNEY DAMAGE. AFTER 2 YRS, SIMILAR EFFECTS. NO INCREASE IN TUMORS.

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

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Ecological:SOLUTIA HAS NOT CONDUCTED ENVIRONMENTAL TOXICITY STUDIES WITH PRODUCT. SOLUTIA HAS NOT CONDUCTED BIODEGRADATION STUDIES WITH THIS PRODUCT SINCE WHEN DISSOLVED/HYDROLYZED IN WATER IT YIELDS COMPLETELY MINERALIZED MATERIALS. DISCARDED MATERIAL NOT HAZARDOUS UNDER RCRA. DRY MATERIAL MAY BE LANDFILLED OR RECYCLED IN ACCORDANCE WITH LOCAL, STATE, FEDERAL REGULATIONS.

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

Waste Disposal Meth

ods:THIS MATERIAL WHEN DISCARDED IS NOT A HAZARDOUS WASTE AS THAT TERM IS DEFINED BY THE RESOURCE, CONSERVATION AND RECOVERY ACT(RCRA).40 CFR 261. DRY MATERIAL MAY BE LANDFILLED OR RECYCLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CONSULT YOUR ATTORNEY OR APPROPRIATE REGULATORY OFFICIALS FOR INFORMATION ON SUCH DISPOSAL

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

Transport Information:NOT HAZARDOUS UNDER DOT, ICAO/IATA, OR IMDG REGULATIONS.

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

SARA Title III Information:NOT REGULATED
Federal Regulatory Information:TSCA: LISTED AS POLYPHOSPHORIC ACIDS, SODIUM SALTS. CERCLA: NOT APPLICABLE. FDA: FOOD GRADES OF MATERIAL SANCTIONED AS GENERALLY RECOGNIZED AS SAFE (GRAS).
State Regulatory Information:NOT PROVIDED

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

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