

FMC CORPORATION; PHOSPHOROUS CHEMICALS DIVISION -- SODIUM TRIPOLYPHOSPHATE --  
6810-00-753-5053

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

Product ID:SODIUM TRIPOLYPHOSPHATE

MSDS Date:05/26/1998

FSC:6810

NIIN:00-753-5053

Status Code:A

MSDS Number: CKJGV

=== Responsible Party ===

Company Name:FMC CORPORATION; PHOSPHOROUS CHEMICALS DIVISION

Address:1735 MARKET ST

City:PHILADELPHIA

State:PA

ZIP:19103

Country:

US

Info Phone Num:215-299-6000

Emergency Phone Num:785-749-8100

Resp. Party Other MSDS Num.:7758-29-4

Chemtrec Ind/Phone:(800)424-9300

CAGE:MO680

=== Contractor Identification ===

Company Name:FMC CORPORATION; PHOSPHOROUS CHEMICALS DIVISION

Address:1735 MARKET ST

Box:City:PHILADELPHIA

State:PA

ZIP:19103

Country:US

Phone:215-299-6000

CAGE:MO680

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-

00-M-D758  
CAGE:75656

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Composition/Information on Ingredients  
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Ingred Name:SODIUM TRIPOLYPHOSPHATE  
CAS:7758-29-4  
RTECS #:YK4570000  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50(RAT): >2000MG/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT IS MILDLY IRRITATING TO THE EYES. SKIN IRRITATION FROM CONTINUOUS CONTACT HAS BEEN REPORTED DURING MANUFACTURING WHEN PROTECTIVE MEASURES FOR CONTACT OR PERSONAL HYGIENE PROCEDURES ARE NOT FOLLOWED. HUMAN INDUSTRIAL EXPERIENCE HAS SHOWN NO SIGNIFICANT INHALATION HAZARD OR SKIN IRRITATION WHEN EXPOSURES ARE PROPERLY CONTROLLED. CHRONIC: CHRONIC EXPOSURE TO VERY HIGH LEVELS OF THIS PRODUCT PRODUCES KIDNEY DAMAGE AND IMPAIRED BONE DEVELOPMENT IN LABORATORY ANIMALS. HOWEVER, PRODUCT IS LISTED BY THE UNITED STATES FOOD AND DRUG ADMINISTRATION AS A GENERALLY RECOGNIZED AS SAFE (GRAS) FOOD ADDITIVE.  
Explanation of Carcinogenicity:ACGIH: NOT LISTED.  
Effects of Overexposure:PRODUCT IS MILDLY IRRITATING TO THE EYES AND NON-IRRITATING TO THE SKIN.  
Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION OCCURS & PERSISTS, OBTAIN MEDICAL ATTENTION. SKIN: WASH WITH PLENTY OF SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS & PERSISTS . INGESTION: DRINK 1 TO 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON IF DISCOMFORT PERSISTS, OBTAIN MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY OR DISCOMFORT OCCURS & PERSISTS, OBTAIN MEDICAL ATTENTION. NOTES TO MD: THIS PRODUCT CAUSES MILD EYE IRRITATION & IS NON-IRRITATING TO SKIN. TREATMENT IS CONTROLLED REMOVAL OF EXPOSURE WITH S

YMPT OMATIC & SUPPORTIVE CARE.

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

Flash Point:NON-COMBUSTIBLE

Extinguishing Media:NON-COMBUSTIBLE.

Fire Fighting Procedures:NOT APPLICABLE.

Unusual Fire/Explosion Hazard:NONE. SENSITIVITY TO STATIC DISCHARGE:  
NONE. SENSITIVITY TO IMPACT: NONE.

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

Spill Release Procedures:MATERIAL SHOULD BE SWEEPED UP FOR SALVAGE OR  
DISPOSAL.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:ANIMAL STUDIES AND MANUFACTURING  
EXPERIENCE INDICATE THAT EXPOSURE TO THE PRODUCT MAY RESULT IN EYE  
AND SKIN IRRITATION UNDER NORMAL CONDITIONS OF USE. IN THE EVENT OF  
CONTACT, IMMEDIATELY FLUSH EYES WITH WATER; WASH SKIN WITH SOAP  
AND WATER.

Other Precautions:THE PRODUCT SHOULD BE STORED IN A CLEAN DRY AREA TO  
MAINTAIN PRODUCT QUALITY AND TO PREVENT POSSIBLE CONTAMINATION BY  
OTHER CHEMICALS. COMMENTS: VENTILATION: CONTROL MEASURES SUCH AS  
LOCAL EXHAUST VENTILATION MAY BE REQUIRED WHERE EXCESSIVE AIRBORNE  
DUST LOADING MAY BE PRESENT.

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

Respiratory Protection:USE APPROVED RESPIRATORY PROTECTION IF RELEASE  
OF THE PRODUCT INTO THE WORK AREA IS EXPECTED.

Ventilation:CONTROL MEASURES SUCH AS LOCAL EXHAUST VENTILATION MAY BE  
REQUIRED WHERE EXCESSIVE AIRBORNE DUST LOADING MAY BE PRESENT.

Protective Gloves:USE IMPERVIOUS GLOVES WHEN CONTINUOUS CONTACT IS  
EXPECTED.

Eye Protection:WEAR CHEMICAL GOGGLES WHEN AIRBORNE DUST IS EXPECTED.

Other Protective Equipment:USE LONG SLEEVED WORK SHIRT TO REDUCE  
EXPOSED SKIN AREA.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

PREVENTION OF EYE & SKIN CONTACT MAY BE REQUIRED UNDER NORMAL USE  
CONDITIONS. HOWEVER, SEVERE AGITATION OR DISPERSION INTO THE WORK

ENVIRONMENT MAY REQUIRE ENCLOSURE OF THE PROCESS & LOCAL EXHAUST VENTILATION AT THE SOURCE TO PREVENT RELEASE INTO THE AIR.

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

HCC:B3

Boiling Pt:>1000.C, 1832.F

Melt/Freeze Pt:=622.C, #####F

Vapor Pres:NON-VOLITILE

Vapor Density:N/VOLITILE

Spec Gravity:0.5 - 1.2 G/ML

pH:10@25C

Evaporation Rate & Reference:NON-VOLITILE (BUAC=1)

Solubility in Water:13

Appearance and Odor:WHITE GRANULES OR POWDER; NO ODOR

Percent Vol

atiles by Volume:NON-VOLITILE

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

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:NONE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:EYE EFFECTS: MILDLY IRRITATING (RABBIT) [FMC 186-917].SKIN EFFECTS: NON-IRRITATING (RABBIT) [FMC 188-1047].

DERMAL LD50: NO

DATA AVAILABLE FOR THE PRODUCT. ORAL LD50: >2000

MG/KG (RAT) [FMC STUDY 197- 2169]. INHALATION LC50: 0.39 MG/L

(RAT)(4 HR) (MAXIMUM ATTAINABLE DUST CONCENTRATION) [FMC STUDY 188-1011]. ACUTE EFFECTS FROM OVEREXPOSURE: PRODUCT IS MILDLY

IRRITATING TO EYES & NONIRRITATING TO SKI N. CHRONIC EFFECTS:

CHRONIC EXPOSURE TO VERY HIGH LEVELS OF PRODUCT PRODUCES KIDNEY

DAMAGE & IMPAIRED BONE DEVELOPMENT IN LABORATORY ANIMALS. HOWEVER,

PRODUCT IS LISTED BY US FDA AS A GENERALLY

RECOGNIZED AS SAFE  
(GRAS) FOOD ADDITIVE.

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

Ecological: ECOTOXICOLOGICAL INFORMATION: 96 HR LC50 > 100 MG/L, NON-TOXIC (RAINBOW TROUT, INLAND SILVERSIDES AND MYSID SHRIMP). [FMC STUDY 189-1081], 1082 & 1083] 48 HR EC50 > 100 MG/L, NON-TOXIC (DAPHNIA MAGNA) [FMC 189-1084]. CHEMICAL FATE INFORMATION: INORGANIC COMPOUNDS IN CONTACT WITH THE SOIL, SUB-SURFACE OR SURFACE WATERS MAY BE TAKEN UP BY PLANTS AND UTILIZED AS ESSENTIAL NUTRIENTS. PHOSPHATES MAY ALSO FORM PRECIPITATES, USUALLY IN THE FORM OF CALCIUM OR MAGNESIUM. THE RESULTANT COMPOUNDS ARE INSOLUBLE IN WATER AND BECOME PART OF THE SOIL OR SEDIMENT. THE TERM BIODEGRADABILITY, AS SUCH, IS NOT APPLICABLE TO INORGANIC COMPOUNDS.

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

Waste Disposal Methods: THIS PRODUCT DOES NOT PRESENT A DANGER OR HAZARD FOR DISPOSAL. EXCEPT FOR FOOD APPLICATIONS, SALVAGE AND RETURN TO CONTAINER. PROCESS OR RECYCLE FOR OTHER USES. MAY BE DISPOSED OF IN LANDFILLS ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS.

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

Transport Information: US DOT (DEPARTMENT OF TRANSPORTATION): PROPER SHIPPING NAME: NOT REGULATED. UN/NA NUMBER: NONE. PLACARDS: NOT REQUIRED. LABEL: NOT REQUIRED. OTHER SHIPPING INFORMATION: DOT MARKING: NOT APPLICABLE. HAZARDOUS SUBSTANCE/RQ: NOT LISTED. 49 S TCC NUMBER: NOT APPLICABLE. SPECIAL SHIPPING NOTES: IMDG: NOT REGULATED. IATA: NOT REGULATED.

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

SARA Title III Information: SECTION 311 HAZARD CATEGORY (40 CFR 370): NOT APPLICABLE. SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370): NOT APPLICABLE. SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372): NOT APPLICABLE. SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NOT LISTED.

Federal Regulatory Informa

tion:CERCLA REGULATORY (40 CFR 302.4):

LISTED. CERCLA: SODIUM TRIPOLYPHOSPHATE (STPP) - 5000 LBS.

State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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

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