

MATERIAL SAFETY DATA

7758

29 4

NFPA Designation 704

FLAMMABILITY
(RED)

SODIUM TRIPOLYPHOSPHATE

EMERGENCY TELEPHONES:

PLANTS: (307) 875-2580 GREEN RIVER, WY

(415) 793-1231 NEWARK, CA

(913) 749-8100 LAWRENCE, KS

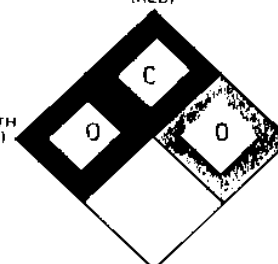
CHEMTREC: (800) 424-9300 TRANSPORTATION

MEDICAL: (303) 595-9048 ROCKY MTN

DEGREE OF HAZARD

- 4 = EXTREME
- 3 = HIGH
- 2 = MODERATE
- 1 = SLIGHT
- 0 = INSIGNIFICANT

HEALTH
(BLUE)



REACTIVITY
(YELLOW)

SPECIAL
HAZARD

REVISION: 03

EFFECTIVE: 09/07/88

PRINTED: 11/28/88

PREPARED FOR USE BY.....

ORANGE COUNTY CHEMICAL CO
1230 EAST GERTRUDE PLACE
SANTA ANA CA 92707

===== INFORMATION PROVIDED BY...:

IDENTIFICATION

FMC CORPORATION
2000 MARKET STREET
PHILADELPHIA, PA 19103

SYNONYMS.....

PENTASODIUM TRIPHOSPHATE, STPP, STF

SHIPPING NAME - DOT.....

SODIUM TRIPOLYPHOSPHATE

IATA.....

SODIUM TRIPOLYPHOSPHATE

IMCC.....

SODIUM TRIPOLYPHOSPHATE

FORMULA.....

Na5P3O10

CHEMICAL FAMILY.....

PHOSPHATE

PRODUCT USES.....

BUILDER FOR DETERGENT COMPOUNDS, WATER TREATMENT, DISPERSANT, TEXTILE PROCESSING, STABILIZER FOR HYDROGEN PEROXIDE BLEACH BATHS. ALSO MOISTURE BINDER FOR MEAT, FISH, ETC.

===== PRECAUTIONARY STATEMENT...:
(PLEASE USE THIS STATEMENT
TO SATISFY THE IN-PLANT
LABELING REQUIREMENTS
OF THE OSHA HAZARD
COMMUNICATIONS STANDARD
29CFR 1910.1200)

PRECAUTIONARY INFORMATION

NO PRECAUTIONARY STATEMENT REQUIRED. SODIUM TRIPOLYPHOSPHATE WAS NOT FOUND TO BE HAZARDOUS BY OSHA NOR WHMIS (CANADA) CRITERIA.

===== CAS# AND COMPONENT.....

INGREDIENTS

MATERIAL OR COMPONENT: SODIUM TRIPOLYPHOSPHATE
PERCENT : 100
CAS # : 7758-29-4

CANADIAN PRODUCT
IDENTIFICATION NUMBER.....

NOT APPLICABLE

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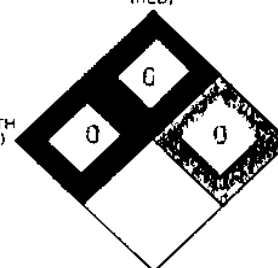
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===== PHYSICAL DATA =====

MELTING/FREEZING POINT...: 622°C
BOILING POINT...: OVER 1000°C
VAPOR PRESSURE...: NON-VOLATILE
VAPOR DENSITY (AIR = 1)...: NON-VOLATILE
ROOM TEMPERATURE
APPEARANCE AND STATE: WHITE GRANULES OR WHITE POWDER
ODOR...: NONE
SPECIFIC GRAVITY (H2O = 1): BULK DENSITY 0.5-1.2 G/ML
SOLUBILITY IN H2O % BY WT: 13 @ 25C
% VOLATILES BY VOLUME...: NON-VOLATILE
EVAPORATION RATE
(BUTYL ACETATE = 1)...: NON-VOLATILE
PH (AS IS)...: NOT APPLICABLE
PH (1% SOLUTION)...: 10
ODOR THRESHOLD...: NOT APPLICABLE
DENSITY (GMS/ML)...: 0.5-1.2 DEPENDING ON GRADE
COEFF. WATER/OIL DIST...: NOT AVAILABLE

===== FIRE, EXPLOSION AND REACTIVITY DATA =====

FLASH POINT...: NON COMBUSTIBLE
NON COMBUSTIBLE
AUTOIGNITION TEMPERATURE.:
FLAMMABLE LIMITS UPPER...: NOT APPLICABLE
(AIR) LOWER...: NOT APPLICABLE
EXTINGUISHING MEDIA...: NOT APPLICABLE
SPECIAL FIREFIGHTING...: NOT APPLICABLE
PROCEDURES
DEGREE OF FIRE AND ...: NONE
EXPLOSION HAZARD
STABILITY...: STABLE
HAZARDOUS POLYMERIZATION.: WILL NOT OCCUR
CONDITIONS TO AVOID...: NONE
MAJOR CONTAMINANTS THAT...: NONE
CONTRIBUTE TO INSTABILITY
INCOMPATIBILITY...: NONE
HAZARDOUS DECOMPOSITION...: NONE
PRODUCTS

MATERIAL SAFETY DATA

7738

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===== FIRE, EXPLOSION AND REACTIVITY DATA =====

SENSITIVITY TO MECH.....: NONE

IMPACT

SENSITIVITY TO STATIC.....: NONE

DISCHARGE

===== ROUTES OF EXPOSURE =====

EYE CONTACT.....: MILD IRRITANT TO UNWASHED EYES; NON-IRRITANT TO WASHED EYES (RABBIT).

SOURCE: FMC STUDY 186-917

DATE: 1985

SKIN CONTACT.....: NON-IRRITANT

SOURCE: T.A.P. 31:481

DATE: 1975

SKIN ABSORPTION.....: NO PUBLISHED DATA

INHALATION.....: NO PUBLISHED DATA

INGESTION.....: NO SIGNIFICANT HAZARD - LD 50 (RAT) = 6.5 G/KG

SOURCE: RTECS

DATE: 1980

===== EXPOSURE LIMITS =====

NONE PROMULGATED

===== EFFECTS OF OVEREXPOSURE =====

ACUTE EXPOSURE.....: NO HUMAN DATA AVAILABLE. ANIMAL EYE IRRITATION STUDIES NOTED THIS MATERIAL IS A MILD IRRITANT TO UNWASHED EYES AND NON-IRRITANT TO WASHED EYES.

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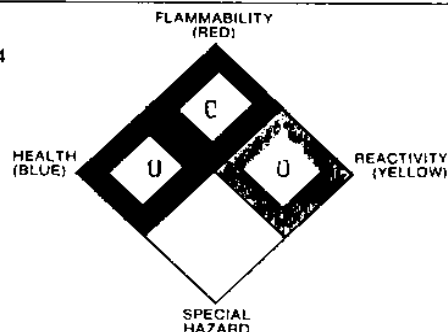
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===== EFFECTS OF OVEREXPOSURE =====

CHRONIC EXPOSURE.....: (EFFECTS CONSIDERED INCLUDE: SENSITIVITIES, CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY, SYNERGISTIC PRODUCTS, AND ANY MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE.)

HUMAN INDUSTRIAL EXPERIENCE HAS SHOWN NO SIGNIFICANT INHALATION HAZARD OR SKIN IRRITATION WHEN GOOD PERSONAL HYGIENE PRACTICES ARE FOLLOWED.

===== EMERGENCY AND FIRST AID PROCEDURES =====

EYES.....: FLUSH EYES WITH WATER. IF IRRITATION OCCURS AND PERSISTS, OBTAIN MEDICAL ATTENTION.

SKIN.....: WASH OFF WITH WATER. IF IRRITATION OCCURS AND PERSISTS, OBTAIN MEDICAL ATTENTION.

INHALATION.....: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT OR DISCOMFORT PERSISTS, OBTAIN MEDICAL ATTENTION.

INGESTION.....: RINSE MOUTH WITH WATER, GIVE MILK OR WATER TO

CAUSE DILUTION IN THE STOMACH. DO NOT CAUSE VOMITING.

DECONTAMINATION PROCEDURE: WASH WITH SOAP AND WATER.

NOTES TO PHYSICIAN.....: INGESTION OF A LARGE DOSE (E.G. 20 G) MAY CAUSE NAUSEA AND VOMITING. IF VOMITING IS NOT SPONTANEOUS, DO NOT INDUCE IT. PHOSPHATES ARE LAXATIVES. AVAILABLE DATA SUGGESTS IRRITANT EFFECTS ARE MINIMAL.

===== SPECIAL PROTECTION =====

VENTILATION REQUIREMENTS.: NO SPECIAL REQUIREMENT.
RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT NO SPECIAL REQUIREMENT.

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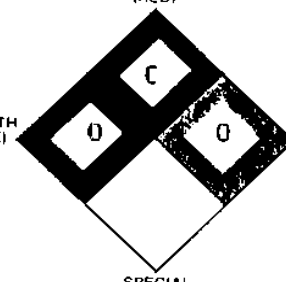
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===== SPECIAL PROTECTION =====

RESPIRATORY.....: USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION, IF AIRBORNE DUST IS EXPECTED.
EYES.....: WEAR CHEMICAL GOGGLES, IF AIRBORNE DUST IS EXPECTED.
GLOVES.....: NO SPECIAL REQUIREMENT.
SPECIAL CLOTHING...: NO SPECIAL REQUIREMENT.
AND EQUIPMENT
FOOTWEAR.....: NOTHING SPECIAL

===== STORAGE AND HANDLING =====

(PLEASE USE THIS STATEMENT TO SATISFY THE IN-PLANT LABELING REQUIREMENTS OF THE OSHA HAZARD COMMUNICATIONS STANDARD 29CFR 1910.1200)

USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION AND CHEMICAL GOGGLES, IF AIRBORNE DUST IS EXPECTED.

STORE IN DRY AREA, FOR PRODUCT QUALITY ASSURANCE.

===== DISPOSAL, SPILL OR LEAK PROCEDURES =====

PROCEDURE FOR RELEASE.....: MATERIAL SHOULD BE SWEEPED UP FOR SALVAGE OR DISPOSAL.
OR SPILL
WASTE DISPOSAL METHOD.....: IF MATERIAL CAN NOT BE SALVAGED, A METHOD OF DISPOSAL IS IN A LANDFILL IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

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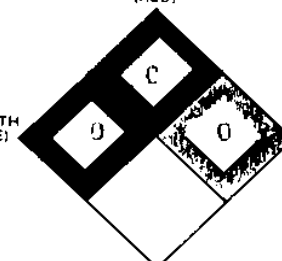
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TRANSPORTATION DATA	
DOT PROPER SHIPPING NAME..	SODIUM TRIPOLYPHOSPHATE
DOT CLASSIFICATION.....	NOT REGULATED
DOT LABELS.....	NOT REQUIRED
DOT MARKING.....	NOT REQUIRED
DOT PLACARD.....	NOT REQUIRED
UN NUMBER.....	NONE
HAZARDOUS SUBSTANCE/RC....	NOT LISTED
49 STCC NUMBER.....	NONE
EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURE:	NOT HAZARDOUS BY OSHA CRITERIA; SEE INSTRUCTIONS ABOVE FOR RELEASE OR SPILL.
PRECAUTIONS TO BE TAKEN... IN TRANSPORTATION	NONE
TYPE PACKAGES.....	BULK; MULTIWALL PAPER BAGS.
OTHER SHIPPING IDS.....	NONE
ADDITIONAL REGULATORY INFORMATION	
MATERIAL IS REPORTED IN EPA TSCA INVENTORY LIST?	YES
MATERIAL IS LISTED AS A CARCINOGEN/POTENTIAL CARCINOGEN IN FOLLOWING	
NTP ANNUAL REPORT... ?	NO
IARC GROUP I OR II... ?	NO
OSHA 29CFR PART 1910 SUBPART 2 ?	NO
ACGIH APPENDIX A..... ?	NO
	FDA GRAS LIST; PERMITTED IN FOOD. USDA PERMITTED IN MEATS. CONTAINS UP TO 100 PPM ARSENIC, 2 PPM CADMIUM AND 7 PPM LEAD FROM CALIFORNIA'S "PROP 65" LIST OF CARCINOGENS AND REPRODUCTIVE TOXINS.
DOES PRODUCT CONTAIN A TOXIC CHEMICAL(S) SUBJECT TO SARA TITLE III SECTION 313 REPORTING.....	NO
CHEMICAL(S).....	

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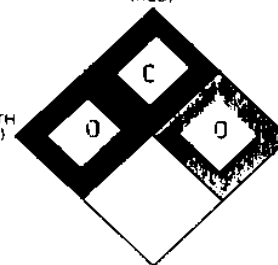
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===== **ADDITIONAL REGULATORY INFORMATION** =====

SARA TITLE III SECTION

311/312 CLASSIFICATION...: NOT HAZARDOUS BY CSHA.