

MATERIAL SAFETY DATA 7758 29 4

SODIUM TRIPOLYPHOSPHATE

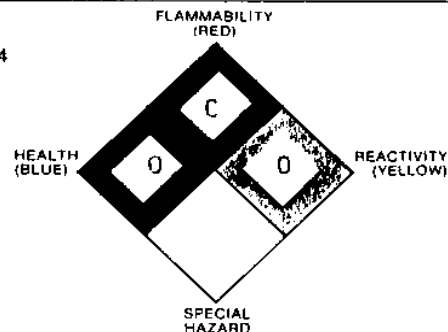
NFPA Designation 704

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



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

===== IDENTIFICATION =====

INFORMATION PROVIDED BY...: FMC CORPORATION
 2000 MARKET STREET
 PHILADELPHIA, PA 19103

===== PRODUCT INFORMATION =====

SYNONYMS.....: PENTASODIUM TRIPHOSPHATE, STPP, STF
 SHIPPING NAME - DOT.....: SODIUM TRIPOLYPHOSPHATE
 IATA.....: SODIUM TRIPOLYPHOSPHATE
 IMCC.....: SODIUM TRIPOLYPHOSPHATE
 FORMULA.....: NASP3O10
 CHEMICAL FAMILY.....: PHOSPHATE
 PRODUCT USES.....: BUILDER FOR DETERGENT COMPOUNDS, WATER TREAT-
 MENT, DISPERSANT, TEXTILE PROCESSING, STABIL-
 IZER FOR HYDROGEN PEROXIDE BLEACH BATHS. ALSO
 MOISTURE BINDER FOR MEAT, FISH, ETC.

===== PRECAUTIONARY INFORMATION =====

PRECAUTIONARY STATEMENT...: NO PRECAUTIONARY STATEMENT REQUIRED. SODIUM
 (PLEASE USE THIS STATEMENT TRIPOLYPHOSPHATE WAS NOT FOUND TO BE
 TO SATISFY THE IN-PLANT HAZARDOUS BY OSHA NOR WHMIS (CANADA) CRITERIA.
 LABELING REQUIREMENTS
 OF THE OSHA HAZARD
 COMMUNICATIONS STANDARD
 29CFR 1910.1200)

===== INGREDIENTS =====

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

CANADIAN PRODUCT IDENTIFICATION NUMBER.....: NOT APPLICABLE

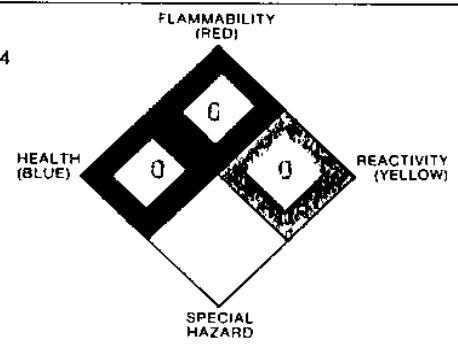
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===== PHYSICAL DATA =====	
MELTING/FREEZING POINT.....	622*C
BOILING POINT.....	OVER 1000*C
VAPOR PRESSURE.....	NON-VOLATILE
VAPOR DENSITY (AIR = 1).....	NON-VOLATILE
ROOM TEMPERATURE	
APPEARANCE AND STATE:	WHITE GRANULES OR WHITE POWDER
COLOR.....	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	

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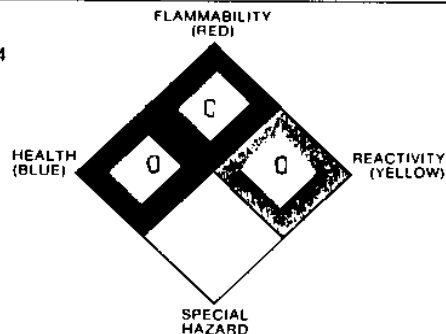
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===== **FIRE, EXPLOSION AND REACTIVITY DATA** =====

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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FLAMMABILITY
(RED)

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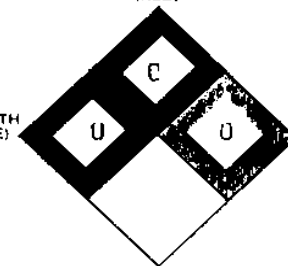
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HEALTH
(BLUE)



REACTIVITY
(YELLOW)

SPECIAL
HAZARD

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

CHRONIC EXPOSURE.....: HUMAN INDUSTRIAL EXPERIENCE HAS SHOWN NO
 (EFFECTS CONSIDERED SIGNIFICANT INHALATION HAZARD OR SKIN
 INCLUDE: SENSITIVITIES, IRRITATION WHEN GOOD PERSONAL HYGIENE
 CARCINOGENICITY, PRACTICES ARE FOLLOWED.
 TERATOGENICITY,
 MUTAGENICITY,
 SYNERGISTIC
 PRODUCTS, AND
 ANY MEDICAL CONDITIONS
 GENERALLY RECOGNIZED AS
 BEING AGGRAVATED BY
 EXPOSURE.)

===== 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 NO SPECIAL REQUIREMENT.
 PROTECTIVE EQUIPMENT

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FLAMMABILITY (RED)

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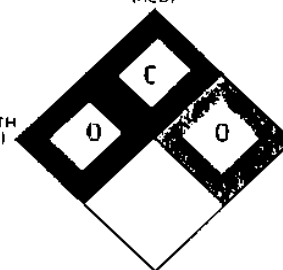
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HEALTH (BLUE)



REACTIVITY (YELLOW)

SPECIAL HAZARD

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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 OR SPILL DISPOSAL.
 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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FLAMMABILITY (RED)

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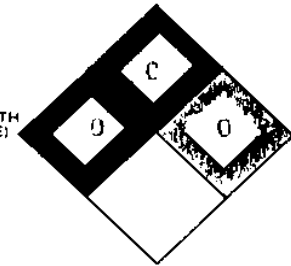
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HEALTH (BLUE)



REACTIVITY (YELLOW)

SPECIAL HAZARD

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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...: NONE
 IN TRANSPORTATION
 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" LISTS
 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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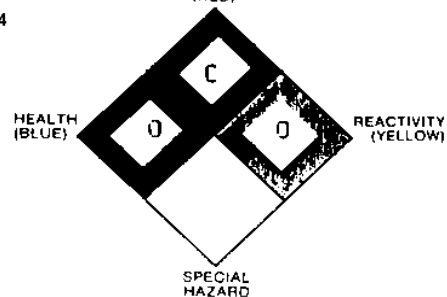
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===== ADDITIONAL REGULATORY INFORMATION =====

SARA TITLE III SECTION 311/312 CLASSIFICATION...: NOT HAZARDOUS BY OSHA.