

PROVIDED BY MATRX MEDICAL INC.

PRODUCT - PRECISION CLEANSE

-----SECTION 1-----

MFGR: MATRX MEDICAL INC.

EMER PH: 800-847-1000
716-662-6650

CHEM NAME: TRISODIUM PHOSPHATE DODECAHYDRATE
TRADE NAME: TRISODIUM PHOSPHATE, TSP CRYSTALS, TSP CRYSTALLINE
CHEM FAMILY: PHOSPHATE
FORMULA: $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O} - 1/4 \text{ NaOH}$

-----SECTION 2 - HAZARDOUS INGREDIENTS-----

INGREDIENT: TRISODIUM PHOSPHATE CRYSTALS (NFPA 704 HAZARD RATING)

-----SECTION 3 - PHYSICAL DATA-----

MELTING POINT: 75C, -4H2O 95C
INITIAL BOILING POINT: N/A
VAPOR PRESSURE: NON-VOLATILE
VAPOR DENSITY: NON-VOLATILE
SPECIFIC GRAVITY ($\text{H}_2\text{O}=1$): BULK DENSITY 0.9 G/ML
PERCENT VOLATILE BY VOLUME (%): NON-VOLATILE
EVAPORATION RATE: NON-VOLATILE
APPEARANCE AND ODOR: WHITE CRYSTALS, NON ODOROUS

-----SECTION 4 - FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT: COC: NON-COMBUSTIBLE
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

-----SECTION 5 - HEALTH HAZARD DATA-----

ROUTES OF EXPOSURE:

EYE CONTACT.....IRRITATING TO EYES, CORROSIVE EFFECT AFTER 24 HOURS IN RABBIT.
SOURCE: AIHA J. 43 NO. 10 B-51 DATE: 1982
SKIN CONTACT.....MODERATE DEGREE OF IRRITATION, 24 HOURS OCCLUDED SKIN (RABBIT).
SOURCE: AIHA J. 43 NO. 10 B-51 DATE: 1982
SKIN ABSORPTION.....NO SIGNIFICANT HAZARD. LD 50 (RABBIT)
> 7940 MG/KG SOURCE: AIHA J.43 NO. 10 B-51 DATE: 1982
INHALATION.....SMALL AMOUNTS OF DUST VERY IRRITATING.
SOURCE: AIHA J. 43 NO. 10 B-51 DATE: 1982
INGESTION.....SLIGHTLY TOXIC 20% AQUEOUS SOLUTION
LD 50 (RAT) = 6500 MG/KG
SOURCE: AIHA J. 43 NO. 10 B-51 DATE: 1982

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-----SECTION 5 - HEALTH HAZARD DATA CONT.-----

EFFECTS OF OVEREXPOSURE:

ACUTE EXPOSURE.....INHALATION OF HEAVY DUST MAY IRRITATE NOSE AND THROAT. INGESTION MAY INJURE MOUTH, THROAT, AND GASTROINTESTINAL TRACT. CONTACT WITH EYES PRODUCES LOCAL IRRITATION AND POSSIBLE CONJUNCTIVITIS.

CHRONIC EXPOSURE....ALTHOUGH NO LONG TERM HUMAN STUDIES HAVE BEEN REPORTED, THERE ARE NO REPORTED CHRONIC EFFECTS THAT WARRANT CONTROL BEYOND THAT REQUIRED TO AVOID IRRITATION FROM AIRBORNE DUST.

EMERGENCY FIRST-AID PROCEDURES:

EYES.....IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

SKIN.....WASH WITH WATER. IF IRRITATION IS EVIDENT, OBTAIN MEDICAL ATTENTION.

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

INGESTION.....RINSE MOUTH WITH WATER, GIVE WATER TO DISSOLVE PARTICLES, DO NOT CAUSE VOMITING.

DECONTAMINATION PROCEDURE: WASH WITH SOAP AND WATER.

NOTES TO PHYSICIAN: STRONGLY ALKALINE, MAY REMOVE SEBACEOUS OILS LEAVING SKIN UNPROTECTED AND MAY CAUSE CHEMICAL BURNS. ACCESSIBLE EXPOSED TISSUES SHOULD BE FLUSHED THOROUGHLY WITH WATER, AND ANY CORNEAL BURNS WARRANT CONSULTATION OF AN OPHTHALMOLOGIST.

INGESTION MAY RESULT IN NAUSEA, VOMITING, AND BURNS, ESPECIALLY OF THE ESOPHAGUS. ATTEMPT TO NEUTRALIZE INGESTED MATERIAL WITH ACIDS MAY CAUSE EXCESS HEAT AND GAS PRODUCTION WHICH CAN INCREASE THE RISK OF PERFORATION. DILUTION MAY DO LIKEWISE, BUT WHEN THE DRY MATERIAL IS INGESTED, ADHERENCE OF PARTICLES TO THE ESOPHAGEAL MUCOSA MAY ASSURE PERFORATION SO THAT IMMEDIATE DRINKING OF COLD WATER OR MILK IS ADVISED.

BURNS OF THE ESOPHAGUS AND/OR STOMACH SUFFICIENT TO LEAD TO PERFORATION AND/OR STRICTURE FORMATION MAY OCCUR WITHOUT OROPHARYNGEAL BURNS. ACCORDINGLY, MOST AUTHORITIES RECOMMEND LIMITED ESOPHAGOSCOPY SUFFICIENT TO DETERMINE IF DEEP AND/OR CIRCUMFERENTIAL BURNS ARE PRESENT, BECAUSE THEY ARE MOST LIKELY TO RESULT IN ESOPHAGEAL STENOSIS.

PREVENTION OF THE LATTER IS CONTROVERSIAL, THOUGH MOST AUTHORITIES FAVOR EARLY CORTICOSTEROID AND/OR PROPHYLACTIC DILATION THERAPY.

-----SECTION 6 - REACTIVITY DATA-----

STABILITY: STABLE

INCOMPATIBILITY: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

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-----SECTION 7 - SPILL OR LEAK PROCEDURES-----

WHEN MATERIAL IS RELEASED OR SPILLED: MATERIAL SHOULD BE SWEEPED UP FOR SALVAGE OR DISPOSAL.

WASTE DISPOSAL METHOD: IF MATERIAL CANNOT BE SALVAGED, A METHOD OF DISPOSAL IS IN A LAND FILL IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 8 - SPECIAL PROTECTION INFORMATION-----

RESPIRATORY PROTECTION: USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION, IF AIRBORNE DUST IS EXPECTED.

VENTILATION: GENERAL ROOM OR LOCAL EXHAUST IN PROCESSES OR HANDLING WHEN AIRBORNE DUST IS EXPECTED TO BE RELEASED INTO THE WORK ENVIRONMENT.

PROTECTIVE GLOVES: NO SPECIAL REQUIREMENTS

EYE PROTECTION: WEAR CHEMICAL GOGGLES IF AIRBORNE DUST IS EXPECTED.

OTHER PROTECTIVE EQUIPMENT: NO SPECIAL REQUIREMENTS.

-----SECTION 9 - SPECIAL PRECAUTIONS-----

COMMENTS:

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