

M A T E R I A L S A F E T Y D A T A S H E E T

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PRODUCT NAME: TSP

NFPA CODES: H F R

MSDS CODE: 620N

2 0 0

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DOT SHIPPING NAME AND LABELING: CLEANING COMPOUND - NOT REGULATED

===== SECTION I - MANUFACTURER IDENTIFICATION =====

EFFECTIVE: 08/17/2001

MANUFACTURER'S NAME: SAVOGRAN

ADDRESS : 259 LENOX STREET

PO BOX 130

NORWOOD, MA 02062-0130

PHONE : 781-762-5400

NAME OF PREPARER : MARK A. MONIQUE

=== SECTION II - HAZARDOUS INGREDIENTS UNDER OSHA HAZARD COMMUNICATION STD ===

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT
Trisodium Phosphate Dodecahydrate	10101-89-0	75% - 80%
EXPOSURE GUIDELINES NOT LISTED		
Sodium Sesquicarbonate	533-96-0	20% - 25%
EXPOSURE GUIDELINES NOT LISTED		

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===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

INITIAL BOILING POINT: NA

SPECIFIC GRAVITY: 60-75LBS/FT3

VAPOR DENSITY: NA

VAPOR PRESSURE (CALCULATED): NA

EVAPORATION RATE: NA

MATERIAL V.O.C. (% BY WT.): 0.

PERCENT VOLATILE: 0.

SOLUBILITY IN WATER: MODERATE

PH (1% IN H2O): 11-12

APPEARANCE AND ODOR: WHITE CRYSTALLINE SOLID

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: NA

METHOD USED: NO DATA

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: NONFLAMMABLE

SPECIAL FIREFIGHTING PROCEDURES:

SOLUTIONS IN WATER ARE MODERATELY TO STRONG ALKALINE. WEAR FULL PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID:

MATERIAL IS HYGROSCOPIC AND TENDS TO CAKE UNDER DAMP CONDITIONS.

INCOMPATIBILITY (MATERIALS TO AVOID):

SOLUTIONS IN WATER ARE HIGHLY ALKALINE AND MAY PRODUCE HYDROGEN GAS WHEN IN

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CONTACT WITH ALUMINUM. WILL REACT WITH ACIDS TO FORM CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
INHALATION OF DUST CAN CAUSE NASAL AND RESPIRATORY IRRITATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
SKIN: IRRITATING, MAY CAUSE CHEMICAL BURNS AND DERMATITIS. EYE CONTACT CAN CAUSE SEVERE IRRITATION, BURNING AND TRANSIENT INJURY TO CORNEA.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
NONE

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
MAY CAUSE IRRITATION AND CHEMICAL BURNS TO THE GASTROINTESTINAL TRACT.

HEALTH HAZARDS (CHRONIC):
NO CHRONIC EFFECTS EXPECTED

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
NONE

EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WASH SKIN THOROUGHLY WITH WATER. IF IRRITATION OCCURS GET MEDICAL ATTENTION PROMPTLY. THOROUGHLY WASH CONTAMINATED CLOTHING BEFORE REUSE. **EYE CONTACT**: FLUSH EYES WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART TO ENSURE COMPLETE IRRIGATION OF ALL TISSUE. GET MEDICAL ATTENTION PROMPTLY. **INHALATION**: IF ILLNESS OCCURS, REMOVE PATIENT TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, START ARTIFICIAL RESPIRATION. CALL PHYSICIAN IMMEDIATELY. **SWALLOWING**: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER (IF AVAILABLE GIVE SEVERAL GLASSES OF MILK). IF VOMITING OCCURS SPONTANEOUSLY KEEP AIRWAY CLEAR AND GIVE MORE WATER. GET MEDICAL ATTENTION PROMPTLY. IF SYMPTOMS INDICATE, APPLY TREATMENT AS APPROPRIATE FOR CORROSIVE ALKALI SUBSTANCE.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
SWEEP UP MATERIAL AND TRANSFER TO CONTAINERS. REMAINING RESIDUE MAY BE WASHED AWAY WITH WATER.

WASTE DISPOSAL METHOD:
SMALL QUANTITIES MAY BE DEPOSITED IN GENERAL TRASH AND RESIDUE FLUSHED DOWN DRAIN WITH WATER. LARGE SPILLS MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
STORE IN DRY PLACE. MOISTURE CAN CAUSE CAKING. KEEP AWAY FROM ACIDS OF ALL
TYPES. WATER SOLUTIONS CAN BE CORROSIVE TO ALUMINUM AND GENERATE HYDROGEN.

OTHER PRECAUTIONS:
AVOID CONTACT WITH MATERIAL. DO NOT EAT, DRINK OR SMOKE WHEN HANDLING THIS
MATERIAL.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION:
WEAR NIOSH/MSHA APPROVED DUST RESPIRATOR, IF DUST IS FORMED.

VENTILATION:
PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO
MAINTAIN EXPOSURE BELOW LEVEL OF OVEREXPOSURE.

PROTECTIVE GLOVES:
USE DUST PROOF GLOVES.

EYE PROTECTION:
USE DUST PROOF GOGGLES IF DUST IS IRRITATING EYES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
NONE

===== SECTION IX - DISCLAIMER =====

JUDGEMENT OF POTENTIAL HAZARDS OF THIS PRODUCT IS BASED ON INFORMATION AVAILABLE
ABOUT INDIVIDUAL COMPONENTS LISTED UNDER SECTION II - INGREDIENTS. DIRECT
TESTING OF MIXTURE HAS NOT BEEN DONE. INFORMATION GIVEN HEREIN IS BELIEVED TO BE
ACCURATE AND IS GIVEN IN GOOD FAITH; HOWEVER, NO WARRANTY EITHER EXPRESSED OR
IMPLIED IS MADE. IT IS STRONGLY SUGGESTED THAT USERS CONFIRM IN ADVANCE OF NEED
THAT THE INFORMATION IS CURRENT AND APPLICABLE TO THEIR SITUATIONS.