

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

LIQUID TSP SUBSTITUTE

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PRODUCT NAME: LIQUID TSP SUBSTITUTE

NFPA CODES: H F R

MSDS CODE: 630N

2 0 0

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DOT SHIPPING NAME AND LABELING: CLEANING COMPOUND - NOT REGULATED

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

EFFECTIVE: 09/13/2001

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
ETDA (38%) EXPOSURE GUIDELINES NOT LISTED	64-02-8	0% - 5%
Sodium Metasilicate EXPOSURE GUIDELINES NOT LISTED	6834-92-0	0% - 5%

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

INITIAL BOILING POINT: 212F                      SPECIFIC GRAVITY: 1.02  
VAPOR DENSITY: HEAVIER THAN AIR                VAPOR PRESSURE (CALCULATED): UNKNOWN  
EVAPORATION RATE: LESS THAN ETHER            MATERIAL V.O.C. (% BY WT.): 0.  
PERCENT VOLATILE: 95%                            SOLUBILITY IN WATER: SOLUBLE  
PH (1% IN H2O): 10-11  
APPEARANCE AND ODOR: CLEAR PINK LIQUID, MILD ODOR

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

FLASH POINT: NONE                      METHOD USED: NO DATA  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA            UPPER: NO DATA

EXTINGUISHING MEDIA: NONFLAMMABLE

SPECIAL FIREFIGHTING PROCEDURES:  
WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN  
PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NONE

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

STABILITY: STABLE  
CONDITIONS TO AVOID:  
NONE

INCOMPATIBILITY (MATERIALS TO AVOID):  
STRONG OXIDIZING AGENTS (E.G. NITRIC ACID, PERMANGANATES, ETC.) STRONG ALKALIES

(E.G. NAOH AMMONIA, ETC.), STONG ACIDS (E.G. HCL, SULFURIC, ETC.) MAY REACT WITH ALUMINUM.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
VAPORS ARE UNLIKELY DUE TO PHYSICAL PROPERTIES.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
SKIN: SHORT CONTACT - NO IRRITATION. PROLONGED OR FREQUENTLY REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING, DERMATITIS OR CORROSIVE BURNS. EYE CONTACT CAN CAUSE SEVERE IRRITATION, REDNESS AND TEARING. MAY CAUSE TRANSIENT INJURY TO CORNEA.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
NONE

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
INGESTION CAN CAUSE SEVERE INTERNAL IRRITATION.

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. FOLLOWED BY CITRUS JUICES TO NEUTRALIZE. GET MEDICAL ATTENTION PROMPTLY.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVEL INTO CONTAINERS.

WASTE DISPOSAL METHOD:  
MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUES; THEREFORE, ALL PRECAUTIONS GIVEN

IN THIS SHEET MUST BE OBSERVED. STORE IN COOL PLACE-OUT OF HOT SUN AND BELOW 100F.

OTHER PRECAUTIONS:

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

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

RESPIRATORY PROTECTION:  
NONE REQUIRED

VENTILATION:  
NONE REQUIRED

PROTECTIVE GLOVES:  
WEAR PROTECTIVE GLOVES SUCH AS NEOPRENE.

EYE PROTECTION:  
CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELD.

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.