

PRODUCT NAME: METAL PREP  
 MSDS CODE: 710N

NFPA CODES: H F R  
 2 0 0

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 DOT SHIPPING NAME AND LABELING: CLEANING COMPOUND - NOT REGULATED

===== SECTION I - MANUFACTURER IDENTIFICATION =====  
 EFFECTIVE: 11/7/2011

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
----- ORGANIC SALT EXPOSURE GUIDELINES NOT LISTED	506-89-8	15% - 20%

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

INITIAL BOILING POINT: 212F	SPECIFIC GRAVITY: 1.03
VAPOR DENSITY: Heavier than air	VAPOR PRESSURE (CALCULATED): Unknown
EVAPORATION RATE: LESS THAN ETHER	MATERIAL V.O.C. (% BY WT.): 0.
PERCENT VOLATILE: ABOVE 75%	SOLUBILITY IN WATER: TOTAL
PH (1% IN H2O): 2.	
APPEARANCE AND ODOR: CLEAR TO AMBER 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:  
 AT TEMPERATURES ABOVE 60C/140F ACID ACTION ON MOST METALS MAY RELEASE HYDROGEN,  
 A HIGHLY FLAMMABLE AND EXPLOSIVE GAS.

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

STABILITY: Stable  
 CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID):

REACTS WITH ALKALIES AND STRONG OXIDIZING AGENTS (E.G. PERMANGANATES).

HAZARDOUS POLYMERIZATION: Will not occur.

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

NOT A LIKELY ROUTE OF EXPOSURE DUE TO PHYSICAL PROPERTIES. PRODUCT HAS A LOW VAPOR PRESSURE AT ROOM TEMPERATURE AND IS NOT EXPECTED TO PRESENT A SIGNIFICANT INHALATION HAZARD UNDER AMBIENT CONDITIONS. PRODUCT CAN BE IRRITATING TO THE RESPIRATORY TRACT IF INHALED AS A MIST OR IF THE MATERIAL IS VAPORIZED.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SKIN: SHORT CONTACT-NO IRRITATION. PROLONGED OR FREQUENTLY REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING AND DERMATITIS. NON CORROSIVE TO SKIN:(AS DEFINED AND TESTED IN ACCORDANCE WITH THE U.S.OSHA'S HAZARDOUS COMMUNICATION STANDARD AND DOT HAZARDOUS MATERIAL REGULATIONS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

NONE

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Ingestion can cause blindness, nausea, vomiting, diarrhea, gastrointestinal irritation and death.

HEALTH HAZARDS (CHRONIC):

NO CHRONIC EFFECTS EXPECTED

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES:

\*\*SKIN CONTACT\*\* : WASH THOROUGHLY WITH SOAP AND WATER. THOROUGHLY LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. IF IRRITATION AND REDNESS PERSISTS, SEE PHYSICIAN. \*\*EYE CONTACT\*\* : FLOOD WITH PLENTY OF WATER WITH EYE LIDS HELD OPEN FOR AT LEAST 15 MINUTES AND 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\*\* : DO NOT INDUCE VOMITING. IMMEDIATELY GIVE LARGE QUANTITIES OF WATER. KEEP PERSON WARM AND QUIET AND GET MEDICAL ATTENTION.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REVIEW SECTION IV - UNUSUAL FIRE AND EXPLOSION HAZARDS. SMALL SPILLS: WIPE OR SCRAPE UP ANY MATERIAL. WASH AREA THOROUGHLY WITH DETERGENT AND WATER; VENTILATE ADEQUATELY WITH GOOD FRESH AIR MOVEMENT AT FLOOR LEVEL. LARGE SPILLS: WEAR PROPER PROTECTIVE EQUIPMENT. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO KEEP

FROM SPREADING AND KEEP OUT OF GROUND WATER AND STREAMS. TRANSFER MATERIAL TO METAL CONTAINERS. ABSORB REMAINDER WITH SAND, CLAY, EARTH, FLOOR ABSORBENT OR OTHER MATERIAL AND SHOVEL INTO CONTAINERS. THEN WASH AREA THOROUGHLY WITH WATER AND DETERGENT. VENTILATE ADEQUATELY WITH GOOD FRESH AIR MOVEMENT AT FLOOR LEVEL. DO NOT RESTART PILOT LIGHTS OR OPERATE ELECTRICAL DEVICES OR OTHER SOURCES OF SPARKS, FLAMES OR HEAT UNTIL ALL VAPORS (ODORS) AR GONE.

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:  
FOR KNOWN VAPOR CONCENTRATIONS ABOVE THE OCCUPATIONAL EXPOSURE GUIDELINES, USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

VENTILATION:  
USE LOCAL EXHAUST TO CONTROL VAPORS.

PROTECTIVE GLOVES:  
USE IMPERVIOUS (RUBBER, NITRILE) GLOVES.

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 2 - 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.