

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

SI NO.4

Page: 1

PRODUCT NAME: SI NO.4

NFPA CODES: H F R

MSDS CODE: 260N-A

1 1 0

////

DOT SHIPPING NAME AND LABELING: PAINT RELATED MATERIAL; NONE REQUIRED.

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

EFFECTIVE: 09/28/2004

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
DIMETHYL ADIPATE	627-93-0	45% - 50%
EXPOSURE GUIDELINES NOT LISTED		
* n-METHYL-2-PYRROLIDONE	872-50-4	40% - 45%
EXPOSURE GUIDELINES NOT LISTED		
d-LIMONENE	5989-27-5	5% - 10%
EXPOSURE GUIDELINES NOT LISTED		

THIS PRODUCT CONTAINS CHEMICALS (MARKED *) WHICH ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

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

INITIAL BOILING POINT: 200F SPECIFIC GRAVITY: 1.04
VAPOR DENSITY: HEAVIER THAN AIR VAPOR PRESSURE (CALCULATED): <1mmHg20C
EVAPORATION RATE: LESS THAN ETHER MATERIAL V.O.C. (% BY WT.): 50.
PERCENT VOLATILE: ABOVE 95% SOLUBILITY IN WATER: DISPERSIBLE
PH (1% IN H2O): 5-6
APPEARANCE AND ODOR: SWEET VISCOUS LIQUID

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

FLASH POINT: 166F METHOD USED: SETAFLASH CLOSED CUP
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA UPPER: NO DATA
EXTINGUISHING MEDIA: WATER FOG, REGULAR FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

SPECIAL FIREFIGHTING PROCEDURES:
KEEP PERSONNEL REMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. COOL TANK/CONTAINER WITH WATER SPRAY

UNUSUAL FIRE AND EXPLOSION HAZARDS:
THIS PRODUCT MAY BURN, BUT WILL NOT IGNITE READILY.

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

STABILITY: STABLE
CONDITIONS TO AVOID:

SEE SECTION IV - UNUSUAL FIRE AND EXPLOSION HAZARDS

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.)

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

IF MISTS OR VAPORS ARE GENERATED AT HIGH CONCENTRATIONS, MAY CAUSE PALLOR, NAUSEA, ANESTHETIC OR NARCOTIC EFFECTS, BLURRED VISION AND IRRITATION OF THE UPPER RESPIRATORY PASSAGES.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SKIN: THIS MATERIAL MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, CRACKING AND BLISTERING OF SKIN. EYE CONTACT CAN CAUSE IRRITATION. DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO VAPORS OR MISTS MAY CAUSE STINGING, TEARING, REDNESS AND BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

DUE TO LOW EVAPORATION RATE, COMPONENTS CAN BE ABSORPED THROUGH SKIN CAUSING NUMBNESS AND BLURRED VISION.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INGESTION CAN CAUSE SEVERE INTERNAL IRRITATION.

HEALTH HAZARDS (CHRONIC):

N-METHYL-2-PYRROLIDONE A COMPONENT OF THIS PRODUCT WAS REPORTED TO BE FETOTOXIC AND TO INCREASE THE INCIDENCE OF SKELETAL ABNORMALITIES WHEN ADMINISTERED DERMALLY TO RATS AT A DOSE OF 750 mg/kg DURING GESTATION (FUND. AND APPL. TOX 2:73-6, 1982).

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NONE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. THOROUGHLY LAUNDER 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**: KEEP PERSON WARM AND QUIET AND GET MEDICAL ATTENTION. IMMEDIATELY GIVE TWO GLASSES OF WATER IF CONCIIOUS.

===== 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) ARE GONE.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. THIS PRODUCT IS NOT CONSIDERED A HAZARDOUS WASTE UNDER CURRENT RCRA REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN COOL PLACE, OUT OF HOT SUN AND BELOW 100F. ALL CONTAINERS ARE SUBJECT TO DAMAGE IN STORAGE AND TRANSIT. DAMAGED CONTAINERS MAY START LEAKING IMMEDIATELY OR AT A LATER TIME. DO NOT STORE IN AREAS WITH WIDELY FLUCTUATING TEMPERATURES AND DO NOT STORE WHERE VAPORS MAY COME IN CONTACT WITH FLAMES, SPARKS OR HEAT.

OTHER PRECAUTIONS:

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

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

RESPIRATORY PROTECTION:

APPROVED ORGANIC VAPOR RESPIRATOR, IF VAPORS OR MISTS ARE GENERATED.

VENTILATION:

USE LOCAL EXHAUST TO CONTROL VAPORS.

PROTECTIVE GLOVES:

FOR REPEATED OR PROLONGED EXPOSURE, NEOPRENE GLOVES ARE RECOMMENDED.

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. FLASH POINT HAS BEEN TESTED. 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.