

GREEN DEVELOPER

MATERIAL SAFETY DATA SHEET

PROVIDED BY FREUNDORFER, INC.
1551 COMMERCE DRIVE
ELGIN, ILLINOIS 60123

R	HEALTH	3	
H	A		
M	T	FLAMMABILITY	3
I	I		
S	N	REACTIVITY	0
G			
S		PERSONAL PROTECTION	G

THIS MSDS IS BEING PROVIDED TO YOUR COMPANY FOR THE PURPOSE OF PROVIDING CURRENT HEALTH AND SAFETY INFORMATION TO YOUR EMPLOYEES WHO WORK WITH THIS MATERIAL. PLEASE READ THE INFORMATION ON THESE SHEETS, AND THEN PROVIDE THIS INFORMATION TO THOSE PEOPLE AT YOUR COMPANY WHOSE RESPONSIBILITY IT IS TO COMPLY WITH FEDERAL AND STATE RIGHT TO KNOW REGULATIONS. THIS INFORMATION MUST ALSO BE MADE AVAILABLE TO ANY EMPLOYEE WHO REQUEST SAME.

IT IS YOUR OBLIGATION TO COMPLY WITH THESE LAWS

SECTION I-PRODUCT IDENTIFICATION

PRODUCER'S NAME: FREUNDORFER, INC. DATE: SEPTEMBER 14, 1990
ADDRESS: 1551 COMMERCE DRIVE (UPDATED)
ELGIN, ILLINOIS 60123

REGULAR PHONE NUMBER: 708-931-7300

EMERGENCY PHONE NUMBER: 1-800-424-9300

THIS NUMBER IS TO BE USED ONLY IN CASE OF EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.

SECTION II-HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS#	OSHA PEL	ACGIH TLV	OTHER	%
XYLENE	1330-20-7	100ppm	100ppm	N/A	N/A
2-BUTOXYETHYL ACETATE	112-07-2	NOT ESTAB.	NOT ESTAB.	N/A	N/A
CYCLOHEXANONE	108-94-1	50ppm	25ppm	N/A	N/A
1-BUTANOL	71-36-3	100ppm	50ppm SKIN	N/A	N/A

SECTION III-PHYSICAL/CHEMICAL DATA

BOILING POINT: ca 132 C
VAPOR PRESSURE (mmHg): NOT ESTABLISHED
VAPOR DENSITY (AIR=1): GREATER THAN 1
SPECIFIC GRAVITY (H2O=1): ca 0.888
MELTING POINT: N/A
EVAPORATION RATE (BUTYL ACETATE=1): NOT ESTABLISHED
SOLUBILITY IN WATER: LOW
APPEARANCE AND ODOR: DARK GREEN, TYPICAL ODOR FOR HYDROCARBON ESTER MIXTURE

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

FLASH POINT: (TCC) 27 C

FLAMMABLE LIMITS: LEL 1.0% UEL 11.2%

EXTINGUISHING MEDIA: CHEMICAL FOAM, DRY CHEMICAL, WATER FOG, CO2

SPECIAL FIRE-FIGHTING PROCEDURES: A STRAIGHT WATER STREAM MAY SPREAD HYDROCARBON FIRES; AVOID BREATHING VAPORS; USE FRESH AIR RESPIRATORS

UNUSUAL FIRE AND EXPLOSION HAZARDS: A VAPOR ACCUMULATION MAY FLASH AND/OR EXPLODE IF IGNITED

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

STABILITY: STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: CO IF BURNED WITH INSUFFICIENT AIR

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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

INHALATION

SKIN

INGESTION

TCLo 25ppm HUMAN

LD50:1.0g/Kg RABBIT

LD50:1.62g/Kg RAT

HEALTH HAZARDS (ACUTE AND CHRONIC): CHRONIC: LIVER AND KIDNEY DAMAGE

CARCINOGENICITY: NOT ESTABLISHED AS A CARCINOGEN

SIGNS AND SYMPTOMS OF EXPOSURE: DAMAGE TO CENTRAL NERVOUS SYSTEM AND RESPIRATORY IRRITATION, MUSCULAR WEAKNESS, CONFUSION, IMPAIRED COORDINATION, HEADACHE AND NAUSEA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NOT KNOWN

EMERGENCY & FIRST AID PROCEDURES:

SKIN: WASH IMMEDIATELY WITH SOAP AND WATER, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES

EYES: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES

INHALATION: REMOVE FROM EXPOSURE; PROVIDE FRESH AIR AND REST; USE ARTIFICIAL RESPIRATION IF NOT BREATHING; OBTAIN MEDICAL ASSISTANCE

INGESTION: CONTACT A PHYSICIAN IMMEDIATELY

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SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL POSSIBLE IGNITION SOURCES; AVOID BREATHING VAPORS; PROVIDE ADEQUATE VENTILATION; IN CASES OF SPILLAGE, ABSORB WITH INERT ABSORBANT AND DISPOSE OF IN ACCORDANCE WITH LOCAL APPLICABLE REGULATIONS

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS; USE QUALIFIED DISPOSAL COMPANY; DO NOT INCINERATE CLOSED CONTAINERS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CLOSURES TIGHT AND UPRIGHT TO PREVENT LEAKAGE; KEEP CLOSED WHEN NOT IN USE; STORE IN COOL, WELL-VENTILATED AREA, AWAY FROM FEED OR FOOD

OTHER PRECAUTIONS: READ ALL WARNING LABELS; DO NOT TAKE INTERNALLY; REPEATED INGESTION MAY CAUSE LIVER AND KIDNEY DAMAGE; STORE AWAY FROM OPEN FLAME

SECTION VIII-CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOR SHOULD BE WORN

VENTILATION:

LOCAL EXHAUST: TO A DANGER SAFE AREA

MECHANICAL: USE EXPLOSION-PROOF EQUIPMENT

OTHER: AVOID POTENTIAL IGNITION SOURCES.

SPECIAL: USE ONLY WITH ADEQUATE VENTILATION-EQUIVALENT TO OUTDOOR VENTILATION

PROTECTIVE GLOVES: CHEMICAL RESISTANT

EYE PROTECTION: CHEMICAL SAFETY GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: AS REQUIRED TO AVOID SKIN CONTACT OR BREATHING VAPORS; SAFETY SHOWER AND EYEWASH SHOULD BE PROVIDED IN AREAS WHERE USED

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN FREUNDORFER, INC. AND ITS SUPPLIERS. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND THESE OPINIONS AND THE CONDITIONS OF USE OF THE PRODUCT ARE NOT WITHIN THE CONTROL OF FREUNDORFER, INC., IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT.