

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

ENFORCER PRODUCTS, INC. P. O. BOX 1060 CARTERSVILLE, GA. 30120	MANUFACTURER'S PHONE NUMBER: (770) 386-0801 24 HOUR EMERGENCY NUMBER: 1-800-255-3924	HAZARD RATINGS: HEALTH_3_ REACTIVITY_0_ FLAMMABILITY_1_ PERSONAL PROTECTION_
PRODUCT NAME: ZEP MULTI-SURFACE DEODORIZER AND DISINFECTANT READY-TO-USE		EPA REG. NO.: 6836-193-40849
PREPARED BY: TRESSIE B. DEMPSEY		DATE: September 25, 1998

II. INGREDIENTS

PRINCIPAL COMPONENTS	CAS NUMBER	PERCENT	OSHA PEL	ACGIH TLV	OTHER	HAZARD
ETHYLENE GLYCOL MONOBUTYL ETHER	111-78-2	2.00%	N/E	N/E	N/A	N/A

III. PHYSICAL DATA

BOILING POINT: NOT KNOWN	SPECIFIC GRAVITY: 1.00 @ 25°C	VAPOR PRESSURE (mm Hg.): NOT KNOWN
PERCENT VOLATILE BY VOLUME: 96	VAPOR DENSITY: NOT KNOWN	EVAPORATION RATE (Butyl Acetate = 1): NOT KNOWN
pH: 12.0	SOLUBILITY IN WATER: COMPLETE	
APPEARANCE & ODOR: CLEAR YELLOW LIQUID, FLORAL FRAGRANCE.		

IV. FIRE & EXPLOSION DATA

FLASHPOINT (Method used): >210°F	AUTOIGNITION TEMPERATURE: NOT KNOWN	FLAMMABLE LIMITS: N/A
LEL: N/A	UEL: N/A	EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, DRY CHEMICAL, AND WATER.
SPECIAL FIRE FIGHTING PROCEDURES:	SOLUTIONS AND MISTS ARE IRRITATING. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL-PROTECTIVE CLOTHING WHEN FIGHTING FIRES THAT INVOLVES THIS PRODUCT.	
UNUSUAL FIRE & EXPLOSION HAZARDS:	PRODUCTS OF COMBUSTION ARE TOXIC.	

V. REACTIVITY HAZARD DATA

STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: NONE KNOWN.	
INCOMPATIBILITY (Materials to avoid):	NONE KNOWN.	
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> WILL OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: NONE KNOWN.
HAZARDOUS DECOMPOSITION PRODUCTS:	THERMAL DECOMPOSITION MAY PRODUCE TOXIC VAPORS/FUMES OF AMINES AND OTHER ORGANIC MATERIALS AND OXIDES OF CARBON AND NITROGEN.	

VI. HEALTH HAZARD DATA				
PRIMARY ROUTES OF ENTRY: INHALATION <input checked="" type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input checked="" type="checkbox"/> NOT HAZARDOUS <input type="checkbox"/>				
ACUTE EFFECTS OF OVEREXPOSURE: NO INFORMATION FOUND. BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT THIS MATERIAL MAY PRODUCE THE FOLLOWING EFFECTS:				
INGESTION:	BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT INGESTION CAN CAUSE IMMEDIATE BURNING PAIN IN THE MOUTH, THROAT, AND ABDOMEN; SEVERE SWELLING OF THE LARYNX; SKELETAL MUSCLE PARALYSIS AFFECTING THE ABILITY TO BREATHE; CIRCULATORY SHOCK; AND/OR CONVULSIONS. MAY BE FATAL.			
SKIN CONTACT:	BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT THIS MATERIAL, WILL BE SEVERELY IRRITATING TO THE SKIN UPON DIRECT OR PROLONGED CONTACT.			
INHALATION:	BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT THE SOLVENT VAPORS OR MISTS OF PRODUCTS CAN CAUSE IRRITATION OF MUCOUS MEMBRANES.			
EYE CONTACT:	BASED UPON INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT THIS MATERIAL WILL BE SEVERELY IRRITATING TO THE EYES UPON DIRECT OR PROLONGED CONTACT.			
CHRONIC EFFECTS OF OVEREXPOSURE: NONE KNOWN				
CARCINOGENICITY:	NTP? N/A	IARC? N/A	OSHA REGULATED? N/A	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: UNKNOWN				
EMERGENCY FIRST AID PROCEDURES:				
INGESTION:	IMMEDIATELY GIVE 3-4 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. HAVE PHYSICIAN DETERMINE IF PATIENT'S CONDITION ALLOWS FOR INDUCTION OF VOMITING OR EVACUATION OF THE STOMACH. DO NOT GIVE ANYTHING BY MOUTH TO A CONVULSING OR UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.			
SKIN CONTACT:	WASH WITH LARGE AMOUNTS OF RUNNING WATER, AND SOAP IF AVAILABLE, FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND DECONTAMINATE SHOES BEFORE REUSE.			
INHALATION:	REMOVE VICTIM TO FRESH AIR. IF BREATHING DOES NOT RETURN TO NORMAL WITHIN A FEW MINUTES, GET MEDICAL ATTENTION IMMEDIATELY.			
EYE CONTACT:	IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS PERIODICALLY. FLUSH FOR AN ADDITIONAL 15 MINUTES IF MEDICAL ATTENTION IS NOT IMMEDIATELY AVAILABLE. GET MEDICAL ATTENTION.			
NOTE TO PHYSICIAN:	PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, AS WELL AS OXYGEN AND MEASURES TO SUPPORT BREATHING MANUALLY OR MECHANICALLY MAY BE NEEDED. IF PERSISTENT, CONVULSIONS MAY BE CONTROLLED BY THE CAUTIOUS INTRAVENOUS INJECTION OF A SHORT ACTING BARBITURATE DRUG.			

VII. CONTROL AND PROTECTIVE MEASURES	
EYE PROTECTION:	CHEMICAL GOGGLES IF THERE IS A CHANCE OF SPLASHING. SAFETY GLASSES WITH SIDE SHIELD ARE ACCEPTABLE UNDER NORMAL USE.
RESPIRATORY PROTECTION (specify):	NOT REQUIRED FOR INTENDED USE. IF PROPER VENTILATION IS NOT AVAILABLE, A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IS RECOMMENDED.
SKIN PROTECTION:	RUBBER OR NEOPRENE GLOVES RECOMMENDED TO REDUCE SKIN CONTACT & FOR PERSONS WITH SENSITIVE SKIN.
VENTILATION:	GENERAL EXHAUST WHEN USED IN AN ENCLOSED AREA.
OTHER PROTECTION:	WASH PRODUCT FROM CLOTHING AND SKIN. USE GOOD HOUSEKEEPING PRACTICES.

VIII. SPECIAL PRECAUTIONS	
HANDLING AND STORING PROCEDURES:	KEEP CLOSED WHEN NOT IN USE. STORE AT TEMPERATURES BELOW 140°F. DO NOT CONTAMINATE DRINKING WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
RELEASE OR SPILL PROCEDURES:	WEAR PROPER PROTECTIVE EQUIPMENT. FLOORS MAY BECOME SLIPPERY. WEAR NIOSH/MSHA APPROVED RESPIRATOR WHERE UNKNOWN LEVELS OF MISTS OR VAPORS MAY BE PRESENT. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, ETC.) AND TRANSFER THE LIQUID AND SOLID SEPARATELY TO CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER.
WASTE DISPOSAL METHOD:	DISPOSE OF WASTE IN A HAZARDOUS WASTE FACILITY APPROVED BY FEDERAL, STATE AND LOCAL REGULATIONS. INCINERATION IS THE PREFERRED METHOD. TRIPLE RINSE THE EMPTY CONTAINER AND THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR INCINERATION, OR, IF ALLOWED BY STATE AND LOCAL AUTHORITIES, BY BURNING. IF BURNED STAY OUT OF SMOKE.
OTHER PRECAUTIONS:	KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN AND PETS.

IX. ADDITIONAL INFORMATION	
PROPER DOT SHIPPING NAME:	CONSUMER COMMODITY, ORM-D
BIODEGRADABILITY:	NOT BIODEGRADABLE
EMPTY CONTAINER HANDLING:	WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. KEEP EMPTIED CONTAINER CLOSED TIGHTLY.
ADDITIONAL MANUFACTURER WARNINGS: TSCA STATUS: EXEMPT RECOMMENDED HAZARD SUMMARY (DEFINED BY 29 CFR 1910.1200): IMMEDIATE HEALTH HAZARD. NOTE: "NI " MEANS NOT INDICATED.	
OTHER PRECAUTIONS AND COMMENTS:	THE INFORMATION AND STATEMENTS IN THIS MATERIAL SAFETY DATA SHEET ARE BELIEVED TO ACCURATELY REFLECT THE SCIENTIFIC EVIDENCE USED IN MAKING THE HAZARD DETERMINATION, BUT IS NOT TO BE CONSTRUED AS A WARRANTY OR REPRESENTATION FOR WHICH WE ASSUME LEGAL RESPONSIBILITY. ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE DEPENDING ON PARTICULAR, EXCEPTIONAL OR VARIABLE CONDITIONS OR CIRCUMSTANCES OF USE OR STORAGE OR BECAUSE OF LOCALLY APPLICABLE LAWS OR GOVERNMENT REGULATIONS. THEREFORE, YOU SHOULD USE THIS INFORMATION ONLY AS A SUPPLEMENT TO OTHER INFORMATION AVAILABLE TO YOU AND MUST MAKE INDEPENDENT DETERMINATIONS OF THE SUITABILITY OF THE INFORMATION FOR YOUR PARTICULAR CIRCUMSTANCES OR CONDITIONS AND OF THE COMPLETENESS OF THE INFORMATION AVAILABLE FROM ALL SOURCES TO ASSURE BOTH THE PROPER USE OF ALL THE MATERIAL DESCRIBED HEREIN AND THE SAFETY AND HEALTH OF EMPLOYEES.
THIS INFORMATION COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.	

***** END OF REPORT *****