

MATERIAL SAFETY DATA SHEET

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NAME: CATALYST

(HARDENER)

PRODUCT CLASS: ORGANIC PEROXIDE
PRODUCT NUMBER: 56361 BULK 1 OZ

D.O.T. SHIPPING INFORMATION: PROPER SHIPPING NAME: CONSUMER COMMODITY
PROPER HAZARD CLASS: ORM-D

SECTION I

ENVIRONMENTAL TECHNOLOGY, INC.
NUMBER:
300 SOUTH BAY DEPOT ROAD
FIELDS LANDING, CA 95537
PHONE # FOR INFORMATION: (707) 443-9323
DEPARTMENT

TRANSPORTATION EMERGENCY PHONE

CHEMTREC (800) 424-9300
DATE PREPARED: 09/06/08
PREPARED BY: TECHNICAL

SECTION II Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS	CAS REG.NO.	APPRO X WT. %	ACGIH TWA/TLV	OSHA PEL	VAPOR PRESSURE mm Hg
* METHYL ETHYL KETONE PEROXIDE	1338-23-4	33	C 0.2ppm	C 0.7ppm	N/A
* DIMETHYLPHTHLATE	131-11-3	58	5 mg/m ³	5 mg/m ³	1 @ 212°F
2-ETHYLHEXYL ACETATE	103-09-3	7	N/A	N/A	0.4
HYDROGEN PEROXIDE	7722-84-1	2	1ppm	1ppm	5 @ 86°F

* SUBJECT TO REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313

SECTION III - Physical/Chemical Characteristics

BOILING RANGE °F	N/A	PERCENT VOLATILE BY VOLUME:	UNK	
MELTING OR FREEZING POINT	<-30°F	PERCENT VOLATILE BY WEIGHT:	UNK	
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (SLOWER THAN ETHER)	LBS./GAL	9.2
SOLUBILITY IN WATER: SLIGHT			VOC LBS/GAL	UNK
APPEARANCE AND ODOR: THIN, WATER WHITE LIQUID, SLIGHT CHARACTERISTIC ODOR			VOC GRAMS/LITER	UNK

N/A = NOT AVAILABLE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): > 200°F C.O.C. FLAMMABLE LIMITS: LEL: UNK UEL: UNK

EXTINGUISHING MEDIA: ___FOAM X ALCOHOL FOAM X CO₂ NO DRY CHEMICAL X WATER SPRAY ___OTHER

SPECIAL FIRE FIGHTING PROCEDURES: WATER FROM A SAFE DISTANCE, PREFERABLY WITH A FOG NOZZLE. DRY CHEMICAL COMBINED WITH CATALYST MAY REIGNITE. EXTINGUISHED AREA MUST BE THOROUGHLY WET WITH WATER IF DRY CHEMICAL IS USED.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: THE HEAT OF DECOMPOSITION OF THE PEROXIDE ADDS TO THE HEAT OF THE FIRE. DRY CHEMICAL EXTINGUISHING AGENT MAY CATALYZE THE DECOMPOSITION. CONTAINERS MAY EXPLODE IN FIRE.

SECTION V - REACTIVITY DATA

STABILITY UNSTABLE X STABLE

CONDITIONS TO AVOID: STORE OUT OF DIRECT SUNLIGHT, BELOW 80°F

INCOMPATIBILITY (MATERIALS TO AVOID): HOT SOLVENTS, MONOMERS, REDUCING AGENTS, COBALT NAPHTHENATE AND OTHER PROMOTERS, DIMETHYLANALINE

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: BURNING PRODUCT EMITS TOXIC FUMES OF CARBON AND NITROGEN

HAZARDOUS POLYMERIZATION MAY OCCUR X MAY NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? YES SKIN? YES INGESTION? UNLIKELY

HEALTH HAZARDS (ACUTE AND CHRONIC): PROLONGED INHALATION OF VAPORS MAY CAUSE MUCOUS MEMBRANE IRRITATION AND VERTIGO. MAY PASS THROUGH SKIN. CONTACT CAN BURN AND PERMANENTLY DAMAGE THE EYES. THE LUNGS AND SKIN CAN BECOME IRRITATED. MAY AFFECT LIVER AND KIDNEYS.

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

SIGNS AND SYMPTOMS OF EXPOSURE: IRRITATION OF SKIN AND RESPIRATORY SYSTEM. EYE CONTACT MAY CAUSE BLEEDING.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PEOPLE WITH RESPIRATORY DISEASE OR SKIN DISORDERS MAY BE MORE SENSITIVE TO EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES: **ORAL:** IF SWALLOWED, TAKE LARGE QUANTITIES OF MILK OR WATER. **CALL PHYSICIAN IMMEDIATELY!** **EYES:** IN CASE OF EYE CONTACT, FLUSH WITH WATER FOR 30 MINUTES. **CALL PHYSICIAN IMMEDIATELY!** **SKIN:** WASH IMMEDIATELY WITH SOAP AND RINSE WITH WATER. DO NOT USE SOLVENTS OR ALCOHOL TO REMOVE PRODUCT FROM SKIN. **INHALATION:** MOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER CPR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: KEEP SPECTATORS AWAY. VENTILATE AREA & REMOVE ALL SOURCES OF IGNITION. EQUIP EMPLOYEES WITH APPROPRIATE PROTECTIVE EQUIPMENT. DIKE AROUND SPILL AND COVER WITH ABSORBENT MATERIAL. SHOVEL WITH NON-SPARKING TOOLS INTO CONTAINERS. SEAL CONTAINERS AND REMOVE TO SAFE AREA.

WASTE DISPOSAL METHOD: INCINERATION IS PREFERRED METHOD. ALWAYS DISPOSE OF IN ACCORDANCE WITH EXISTING FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATORY CONTROLS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP PRODUCT IN ORIGINAL CONTAINERS. DO NOT STORE WITH FOOD OR DRINK. STORE OUT OF DIRECT SUNLIGHT AT TEMPERATURES BELOW 80°F IN VENTILATED STORAGE AREA. USE EXPLOSION PROOF EQUIPMENT.

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OTHER PRECAUTIONS: DO NOT USE CLOSE TO ANY FOOD OR DRINK. CLEAN UP ANY SPILLS IMMEDIATELY. WASH ANY AREAS OF BODY CONTACT IMMEDIATELY.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): EXPOSURES OVER 0.2ppm REQUIRE MSHA/NIOSH APPROVED AIR RESPIRATOR WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

VENTILATION: LOCAL EXHAUST: RECOMMENDED MECHANICAL (GENERAL): REQUIRED

PROTECTIVE GLOVES: SOLVENT RESISTANT EYE PROTECTION: SPLASH PROOF CHEMICAL GOGGLES OR FACESHIELD UNLESS FULL FACEPIECE RESPIRATORY PROTECTION IS WORN

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NECESSARY TO AVOID SKIN CONTACT. WEAR A PROTECTIVE APRON AND IMPERVIOUS FOOTWEAR.

WORK/HYGIENIC PRACTICES: SMOKE ONLY IN APPROVED AREAS. WASH HANDS BEFORE EATING, SMOKING, OR USING RESTROOM. DO NOT RE-USE CONTAMINATED CLOTHING.

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond Environmental Technology, Inc.'s control, no guarantee, expressed or implied, is made by Environmental Technology, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product.