



MATERIAL SAFETY DATA SHEET Printed: 02/06/2004

I Chemical Product and Company Indentification II Composition/								Emergency (800)831-9889 Medical(Collect) (303)592-1024 Chemtree (800)424-9300 Date 06/07/1996 Te Limits PEL 2 (CEILING) Units			
Information on Ingredients											
Ш	A CAUSES BURNS TO EYES AND SKIN. INHALATION OF MISTS Signs U and T Symptoms C of H Exposure N N N										
Haz ards Identific ation	c Conditions Aggravated Flammability 0 Reactivity 0 Personal Protection D Conditions Aggravated SENSITIVE SKIN; DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE. DISEASE.										
	Carcinogen Info	NONE						NTP IARC	2	OSHA	
	Target Organs or System										
	Routes of Exposure: Inhalation X Skin X Ingestion X										
IV			ESH AIR. GE				ATER F	OR AT LEAST			
	Eyes IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF EYES ARE INJURED OR IRRITATION PERSISTS.										
First Aid Measures	Skin IMMEDIATELY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.										
	Ingestion GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.										
V	Fire Control WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS Measures/ (SCBA) IN FIRE AREA. Equipment										
	Flammable Property Info										
Fire Fighting Measures	Explosion Info LIQUID CORROSIVE MATERIAL										
	Extinguishing Med Gases	Extinguishing Media WATER SPRAY, CO2, DRY CHEMICAL									
	54555										

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VI Accidental Measures	Spill and LeakCONTAIN SPILL. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS OR SODIUM BICARBONATE. CERCLA PRODUCT R.Q.: 7,692 LBS. 										
	Environmental Precautions										
	Ventilation Required? TLV LEV Instructions MAINTAIN PEL/TLV										
VII Handling and Storage	Safe Storage, Handling and UseSTORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. EXPOSURE TO REDUCING SUGARS FORMS CO. KEEP AWAY FROM ACIDS. WHEN DILUTING, ADD AND STIR SLOWLY TO AVOID VIOLENT SPLATTERING AND HEAT GENERATION.InstructionsImcompatible										
	Protective Gloves RUBBER/CHEMICAL RESISTANT.										
VIII	Eye Protection CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR FACE SHIELD.										
Exposure Controls/ Personal Protection	RespiratoryWEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLVProtectionIN MIST, SPRAY, OR DUSTY CONDITIONS.										
	Other Protective WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDER CLOTHES Clothing Equipment BEFORE REUSE. SAFETY SHOWER/EYE WASH.										
	Characteristics o of Hazardous Chemcial Vapor Pressure 20.6 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 %										
IX	Vapor Pressure 20.6 MmHg@ 20 °C Vapor Density(Air=1) N/A pH Water Solubility 100 % Appearance & Odor CLEAR LIGHT YELLOW LIQUID WITH A MILD DETERGENT ODOR. Control Contred Control Control										
Physical and Chemical Properties	Boiling Point 216 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE Flash Point NONE °F Auto Ignition N/A °F Oxidizing Properties										
	Specific Gravity 1.12 Volatile by Volume 68 %										
	Evaporation Rate(n-Butyl Acetate=1) 1.										
	Peroxide, Pyrophoric, Unstable or Water Reactive NONE Reactivity and Hazardous Polymerization NONE										
Х	Possible Hazardous Reactions										
Stability and	Conditions to Avoid										
Reactivity	Materials FLAMMABLE LIQUIDS, ACIDS, ORGANIC HALOGENS, ALUMINUM, To Avoid ACIDS, AND SOFT METALS.										
	Hazardous HYDROGEN GAS UPON CONTACT WITH ALUMINUM. Decomposition Products										
XI Toxicological Information											
XII	Possible Effects and Environmental Fate										
Ecological Information	Degradability										
	Aquatic Toxicity Method of Disposal, Residues and Safe DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. TRIPLE RINSE EMPTY CONTAINER WITH WATER, ADD RINSATE TO OPERATION WHENEVER POSSIBLE										
XIII Disposal Consideration	Handling										
	Disposal of Contaminated Material HYDROGEN GAS UPON CONTACT WITH ALUMINUM.										
XIV Transport Information	CONTACT DISTR. DEPT. FOR DESCRIPTION										
XV-Regulatory Information XVI-Other Information											
S.A.R.A. Title III Section 313	POTASSIUM HYDROXIDE HAS NOT BEEN SARA 313 REPORTABLE SINCE 1989. ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.										
State Right to Know Information	POTASSIUM HYDROXIDE - CAS #1310-58-3 WATER - CAS #7732-18-5 POLYALKYL GLYCOL - CAS #9003-11-6 SODIUM GLUCONATE - CAS #527-07-1 OCTYLPHENOXY POLYETHOXY GLYCOL - CAS #9036-19-5										