

## MATERIAL SAFETY DATA SHEET

Printed: 02/06/2004

	Product Name SUMA HEAVY DUTY DEGREASER							Emergency	(800)	831-9889	
Ι	Product Code 90004 UPC-A 770128900048 SCC 10770128900045							Medical(Collect)	fedical(Collect) (303)592-1024		
Chemical Product	Manufacturer JOHNSONDIVERSEY INC.							Chemtree	(800)424-9300		
and Company Indentification	3630 E. KEMPER RD CINCINNATI, OH 45241-2046							Date 08/31/1999			
	Chemical Family DEGREASER										
	Chemical Name o					%	Exposur	e Limits		Units	
	SODIUM HYDROXIDE 1310-73-2					10	2MG/M	13			
II	ETHOXYLATED LAURYL ALCOHOL 9002-92-0 DIETHYLENE GLYCOL MONOBUTYL 111-76-2 ETHER					<5 NAV					
Composition/ Information						10	25 DDM	25 PPM			
on Ingredients						10	25 PPM				
	SODIUM DODECYLBENZENE 25155-30-0 SULFONATE						NOT ESTABLISHED				
	SCHOMIL										
		CORROSIV	F TO SKIN AND	EVES MIS	TS AR	PE COL	PROSIVE	TO SKIN			
	A CORROSIVE TO SKIN AND EYES, MISTS ARE CORROSIVE TO SKIN C EYES AND RESPIRATORY TRACT.										
	and <sup>T</sup> <sub>E</sub>										
	Symptoms C of H SAME AS ACUTE EFFECTS.										
III	Exposure o N										
Haz ards											
Identification	HMIS:     Health 3     Flammability     0     Reactivity     0     Personal Protection     H										
	Conditions Aggravated <b>DERMATITIS AND SENSITIVE SKIN.</b>										
	Carcinogen Info NONE. NTP IARC OSHA										
	Target Organs or System EYES AND SKIN.										
	Routes of Exposure: Inhalation 🕱 Skin 🗖 Ingestion 🕱										
IV	Inhalation REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.										
	Eyes IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN- UTES. HOLD EYELIDS APART TO COMPLETELY FLUSH ALL CHEMICALS FROM										
	ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION.										
First Aid Measures	Skin FLUSH THOROUGHLY WITH PLENTY OF WATER. WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES AND CLEAN BEFORE REUSE. GET										
	MEDICAL ATTENTION FOR ANY PAINFUL, RED OR INJURED SKIN.										
	Ingestion IF SWALLOWED, RINSE MOUTH WITH WATER. DILUTE BY DRINKING SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. IF PATIENT VOMITS, RE-										
	RIN	SE MOUTH W	ITH WATER. G	ET PROMP	T ME	DICAL	ATTEN	ΓΙΟΝ.			
	Fire Control Measures/		IN FIRE AREA.		0 1 0 3	111VĽ.	i nessu.	RE BREATHING AF	г АКА-		
V	Equipment										
Fire Fighting	Flammable Property Info         Explosion Info         LIQUID PRODUCES HYDROGEN ON CONTACT WITH SOFT, ACTIVE METALS.										
Measures	Explosion Info LIQUID PRODUCES HYDROGEN ON CONTACT WITH SOFT, ACTIVE METALS.										
	Extinguishing Media WAETR SPRAY, CO2, FOAM OR DRY POWDER.										
	Gases										
	1										

VI Accidental Measures	Spill and Leak       CONTAIN SPILL. ABSORB WITH SAND OR CLAY. COLLECT MATERIAL AND         PLACE IN SUITABLE WASTE CONTAINER. NEUTRALIZE SOLIDS AND SPILL         AREA WITH DILUTE MINERAL ACIDS OR BICARBONATE OF SODA. DIPOSE OF         BY ENVIRONMENTAL REGULATIONS.         THIS PRODUCT DOES NOT CONTAIN A REPORTABLE QUANTITY (RQ) UNDER         CERCLA.									
	Environmental Precautions									
	Ventilation Required? YES Instructions GOOD VENTILATION, AIRBORNE									
VII Handling and Storage	Safe Storage, HandlingSTORE IN A COOL, DRY AREA AWAY FROM ACIDS. KEEP CONAINER CLOSEDWHEN NOT IN USE. WEAR PROTECTIVE GEAR WHEN HANDLING OR USING. DOand UseInstructions									
	Imcompatible Materials ACIDS.									
	Protective Gloves IMPERMEABLE.									
VIII	Eye Protection         CHEMICAL GOGGLES AND FACE SHIELD IF CONTACT OR SPLASH HAZARDS EXISTS.									
Exposure Controls/ Personal Protection	Respiratory Protection DUST MASK OR NIOSH PARTICLE CARTRIDGE.									
	Other Protective       RUBBER BOOTS AND CHEMICAL RESISTENT APRON IF CONTACT OR SPLASH         Clothing Equipment       HAZARD EXISTS.									
	Characteristics o of Hazardous Chemcial									
IX	Vapor Pressure <b>17.5</b> MmHg@ <b>20</b> °C     Vapor Density(Air=1 <b>ND</b> pH     >13.0     Water Solubility <b>00</b> %       Appearance & Odor     SLIGHTLY AMBER CLEAR LIQUID ODORLESS.     SLIGHTLY AMBER CLEAR LIQUID ODORLESS.     SLIGHTLY     SLI									
Physical and Chemical	Appearance & Odor         SLIGHTLY AMBER CLEAR LIQUID ODORLESS.           Boiling Point         212         °F         Melting Point         °F         Flammability Limits in Air By Volume: Upper         Lower									
Properties	Boiling Point     212     °F     Melting Point     °F     Plammability Limits in Air By Volume: Opper     Lower       Flash Point     °F     Auto Ignition     °F     Oxidizing Properties									
	Specific Gravity 1.08   Volatile by Volume   86   %									
	Evaporation Rate(n-Butyl Acetate=1)									
	Peroxide, Pyrophoric, Unstable or Water Reactive STABLE									
V	Reactivity and Hazardous Polymerization NONE KNOWN.									
Х	Possible Hazardous Reactions									
Stability and	Conditions to Avoid Materials ACIDS.									
Reactivity	To Avoid Hazardous INCOMPLETE COMBUSTION FORMS OXIDES OF CARBON.									
	Decomposition Products									
XI Toxicological Information	NO DATA AVAILABLE.									
XII	Possible Effects and Environmental Fate NO DATA AVAILABLE.									
Ecological Information	Degradability Amotic Torigity									
XIII Disposal Consideration	Aquatic ToxicityPRODUCT & WASTE ARE HARMFUL TO FISH & AQUATIC FORMMethod of Disposal, Residues and Safe HandlingADJUST PH OF DILUTED PRODUCT AND DISCHARGE TO INDUSTRAIL SEWER. USE PRODUCT IN CONTAINER UNTIL EMPTY. TRIPLE RINSE CONTAINER WITH WATER AND ADD TO PROCESS. RECYCLE OR DISPOSE OF CONTAINER BY PRO- DUCT LABELING OR GOVERNMENT REGULATIONS.									
	Disposal of Contaminated Material INCOMPLETE COMBUSTION FORMS OXIDES OF CARBON.									
XIV Transport Information	CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(SODIUM HYDROXIDE),8,UN3266,PG II, ERG#60, NAERG#154									
XV-Regulatory Information XVI-Other Information										
S.A.R.A. Title III Section 313	NONE									
State Right to Know Information	WATER - CAS #7732-18-5 SODIUM HYDROXIDE - CAS #1310-73-2 DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS #111-76-2 SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0 SODIUM XYLENE SULFONATE - CAS #1300-72-7									