

MATERIAL SAFETY DATA SHEET

SUMA ULTRA L2 4 X 3.78L/1US GAL Product Name (800)831-9889 Emergency I SCC Medical(Collect) (303)592-1024 57250280 UPC-A Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD Date 03/17/2003 Indentification **CINCINNATI, OH 45241-2046** MECHANICAL WAREWASHING DETERGENT Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits SODIUM HYDROXIDE 1310-73-2** 22 TLV-C 2 MG/M3 Π Composition/ Information on Ingredients EYES: SEVERE BURNS, TISSUE DAMAGE, OR IRRITATION WITH PAIN, SWELLING, BLURRED OR IMPAIRED VISION, BLINDNESS. SKIN: SEVERE BURNS, TISSUE DESTRUCTION, BLISTERS OR Signs П RASH WITH SWELLING AND PAIN. INGESTION: MAY BE FATAL. and SEVERE BURNS TO MOUTH AND THROAT MAY RESULT WITH PAIN, Symptoms GASTRIC PERFORATION AND DIFFICULTY IN SWALLOWING OR BREATHING. INHALATION: SPRAY OR MISTS CAUSE BURNS OR SEVERE IRRITATION TO NOSE, THROAT AND RESPIRATORY Exposure Ш O TRACT WITH PAIN, CHOKING, AND EXPERIENCE DIFFICULTY IN BREATHING. CHRONIC: SAME AS ACUTE EFFECTS. Haz ards Identific ation HMIS: Health Flammability Reactivity Personal Protection В Conditions Aggravated DERMATITIS OR SENSITIVE SKIN. Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System EYES, SKIN, MOUTH AND ESOPHAGUS. Routes of Exposure: Inhalation Ingestion X Skin X X REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. Inhalation INGESTION CONT: NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON. IV Eyes IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. HOLD EYELIDS APART TO COMPLETELY FLUSH ALL CHEMICALS FROM ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION. First Aid Measures FLUSH THOROUGHLY WITH PLENTY OF WATER. WASH WITH MILD SOAP AND Skin 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 RINSE MOUTH. GET IMMEDIATE MEDICAL ATTENTION. WEAR FULL PROTECTIVE GEAR AND POSITIVE PRESSURE BREATHING Fire Control APPARATUS (SCBA) IN FIRE AREA. Measures/ Equipment V Flammable Property Info NONE Fire Fighting NONE KNOWN. **Explosion Info** Measures Extinguishing Media WATER, WATER SPRAY, CO2, FOAM OR DRY POWDER. NONE Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures Clean UP Clean UP Procedures Clean UP Clean UP Procedures Clean UP Clean UP Clean UP Procedures Clean UP Cl
	Environmental Precautions
	Ventilation Required? NONE Instructions NONE REQUIRED.
VII Handling and	Safe Storage, Handling and Use Instructions WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES BELOW 50 DEG.F. THAW BY WARMING TO 70 DEG.F. & MIX FOR USE. ADD PRODUCT SLOWLY WITH MIXING TO WATER OR LIQ.TO AVOID HEAT. DO NOT INSTRUCTION OF TANK & DO NOT PRESSURE TO FMPTY
Storage	Instructions LET PRODUCT COLLECT ON BOTTOM OF TANK & DO NOT PRESSURE TO EMPTY. Imcompatible Materials ACIDS
X // X	Protective Gloves ALKALI RESISTENT. Eye Protection CHEMICAL GOGGLES IF CONTACT OR SPLASH HAZARD EXISTS.
VIII	
Exposure Controls/ Personal Protection	Respiratory Protection USE NIOSH/MSHA APPROVED RESPIRATOR WHERE TLV/PEL MAY BE EXCEEDED.
Tersorati Troccedor	Other Protective Clothing Equipment RUBBER BOOTS & CHEMICAL RESISTANT APRON IF CONTACT OR SPLASH HZRD EXISTS. EYEWASH & SAFETY SHOWER IN AREA IF CONTACT OR SPLASH EXIS
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure N/A MmHg@ NA °C Vapor Density(Air=1] N/A pH 12.7 Water Solubility SOL %
Physical and Chemical	Appearance & Odor RED LIQUID, CHEMICAL ODOR. Boiling Point 215 °F Melting Point °F Flammability Limits in Air By Volume: Upper N/A Lower N/A
Properties	Boiling Point 215 °F Melting Point °F Flammability Limits in Air By Volume: Upper N/A Lower N/A Flash Point NONE °F Auto Ignition °F Oxidizing Properties
	Specific Gravity 1.03 Volatile by Volume N/A %
	Evaporation Rate(n-Butyl Acetate=1)
	Peroxide, Pyrophoric, Unstable or Water Reactive STABLE
N/	Reactivity and Hazardous Polymerization NONE KNOWN.
X	Possible Hazardous Reactions NONE Conditions to Avoid NONE
Stability and	Materials ACIDS
Reactivity	To Avoid
7//	Hazardous INCOMPLETE COMBUSTION FORMS; OXIDES OF NITROGEN; OXIDES OF CARBON. NO PARTA ANALY AND PROCESS OF MITROGEN; OXIDES O
XI Toxicological Information	NO DATA AVAILABLE.
XII	Possible Effects and Environmental Fate NO DATA AVAILABLE
Ecological Information	Degradability
Information	Aquatic Toxicity Makadas AD MIST BU OF DU LITED PRODUCT AND DISCHARGE TO INDUSTRIAL SEWER IN
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling ADJUST PH OF DILUTED PRODUCT AND DISCHARGE TO INDUSTRIAL SEWER IN ACCORDANCE WITH DISCHARGE PERMIT OR LOCAL POTW REGULATIONS. USE PRODUCT IN CONTAINER WITH WATER AND ADD TO PROCESS. RECYCLE OR DISPOSE OF CONTAINER ACCORD- ING TO PRODUCT LABELING OR FEDERAL, STATE OR LOCAL REGULATIONS.
	Disposal of Contaminated Material CARBON. INCOMPLETE COMBUSTION FORMS; OXIDES OF NITROGEN; OXIDES OF CARBON.
XIV	SODIUM HYDROXIDE SOLUTION, 8, UN1824, PG II, ERG NO. 60, NAERG NO. 154
Transport Information	
XV-Regulatory Information XVI-Other Information	
S.A.R.A.	NONE
Title III Section 313	
State Right to Know Information	WATER - CAS #7732-18-5 TETRASODIUM ETHYLENEDIAMINE TETRAACETATE - CAS #64-02-8 SODIUM POLYACRYLATE - CAS #2809-21-4 SODIUM HYDROXIDE - CAS #1310-73-2