

## MATERIAL SAFETY DATA SHEET

ESSENTIALS LT DISH DETG. 5GLPL Product Name Emergency (800)831-9889 I UPC-A 774205559532 SCC Medical(Collect) (303)592-1024 11076100 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 01/31/2003 Date Indentification **CINCINNATI, OH 45241-2046** MECHANICAL WAREWASHING DETERGENT Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits SODIUM HYDROXIDE (1310-73-2)** 10 TLV-C 2 MG/M3  $\Pi$ Composition/ Information on Ingredients EYES: SEVERE BURNS, TISSUE DAMAGE AND IRRITATION WITH PAIN, SWELLING, BLURRED OR IMPAIRED VISION, BLINDNESS. SKIN: BURNS OR IRRITATION TO MOUTH, THROAT WITH NAUSEA. Signs П INGESTION: MAY BE FATAL. SEVERE BURNS TO MOUTH, THROAT. and INHALATION: SPRAY OR MIST CAN CAUSE SEVERE BURNS Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 3 Personal Protection Flammability 0 Reactivity В Conditions Aggravated DERMATITIS OR SENSITIVE SKIN Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System EYES, SKIN, MOUTH AND ESOPHOGUS Routes of Exposure: Inhalation Skin Ingestion X X X REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION Inhalation IV Eyes IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. 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 MILD SOAP AND WATER. REMOVE ANY CONTAMINTED CLOTHES AND SHOES AND CLEAN BEFORE REUSE. GET MEDICAL ATTENTION FOR 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 WASH MOUTH AGAIN. 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 Fire Fighting NONE KNOWN **Explosion Info** Measures Extinguishing Media WATER, CO2, FOAM OR DRY POWDER Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures CERCLA Cen UP Procedures CERCLA Contain Spill. Wear protective clothing. Soak up or absorb Liquid ON SUITABLE ABSORBENT MATERIAL. COLLECT AND PLACE IN CHEMICAL WASTE CONTAINER. DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS. FLUSH SPILL AREA WITH WATER. THIS PRODUCT DOES NOT CONTAIN A REPORTABLE QUANTITY (RQ) UNDER CERCLA Environmental Precautions
	Ventilation Required? Instructions
VII  Handling and Storage	Safe Storage, Handling and Use Instructions WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES BELOW 50 DEGREES F. THAW BY WARMING TO 70 DEGREES F AND MIX TO USE. ADD PRODUCT SLOWLY WITH MIXING TO WATER OR LIQUIDS TO AVOID HEAT, STEAM AND SPLATTERING. DO NOT ALLOW TO SETTLE.
	Imcompatible Materials
	Protective Gloves ALKALI RESISTANT
VIII	Eye Protection CHEMICAL GOGGLES IF CONTACT OR SPLASH HAZARDS EXISTS
Exposure Controls/ Personal Protection	Respiratory Protection  USE NIOSH/MSHA APPROVED RESPIRATOR WHERE TLV/PEL MAY BE EXCEEDED
1013018111101001011	Other Protective Clothing Equipment RUBBER BOOTS AND CHEMICAL RESISTANT APRON IF CONTACT OR SPLASH HAZARDS EXISTS. EYEWASH AND SAFETY SHOWER.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure N/A MmHg@ °C Vapor Density(Air=1 N/A pH 13+ Water Solubility 100 %
Physical and Chemical	Appearance & Odor RED LIQUID, CHEMICAL ODOR  Boiling Point 220 °F Melting Point °F Flammability Limits in Air By Volume: Upper N/A Lower N/A
Properties Properties	Boiling Point 220 °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 1.24 Volatile by Volume N/A %
	Evaporation Rate(n-Butyl Acetate=1)
	Peroxide, Pyrophoric, Unstable or Water Reactive STABLE
V	Reactivity and Hazardous Polymerization NONE KNOWN
X	Possible Hazardous Reactions Conditions to Avoid
Stability and	Materials ACIDS
Reactivity	To Avoid
	Hazardous INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATE COMPOUNDS; OXIDES OF NITROGEN
XI Toxicological Information	NO DATA
XII	Possible Effects and Environmental Fate NO DATA
Ecological	Degradability
Information	Aquatic Toxicity
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 ACCORDING TO PRODUCT LABELING OR LOCAL, STATE AND FEDERAL REGULATIONS
	Disposal of Contaminated Material INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATE COMPOUNDS; OXIDES OF NITROGEN
XIV Transport Information	SODIUM HYDROXIDE SOLUTION, CLASS 8, UN1824, PGII, NAERG NO. 154
XV-Regulatory Information	
XVI-Other Information	
S.A.R.A. Title III Section 313	
State Right to Know Information	WATER - CAS #7732-18-5 SODIUM HYDROXIDE - CAS #1310-73-2 TRISODIUM NITRILOTRIACETATE - CAS #5064-31-3 BIOCIDE - CAS #149-30-4