

MATERIAL SAFETY DATA SHEET

CAUSTIC/POLYACRYLATE HC Product Name Emergency (800)831-9889 I (303)592-1024 00217470 UPC-A SCC Medical(Collect) Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 07/18/1994 Date Indentification **CINCINNATI, OH 45241-2046** LIQUID LAUNDRY DETERGENT Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits SODIUM HYDROXIDE (1310-73-2)** TLV C 2: PEL C 2 MG/M3 13 TRISODIUM NITRILOTRIACETATE NOT ESTABLISHED 15 Π (5064-31-3)Composition/ Information on Ingredients CORROSIVE TO SKIN AND EYES, MAY CAUSE DESTRUCTION OF TISSUES ON CONTACT. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED. Signs П and Symptoms CONTAINS NTA SALTS THAT ARE REPORTED IN HIGH DOSES IN ANIMAL TESTS TO CAUSE CANCER. NTA HAS NOT BEEN REPORTED TO CAUSE CANCER IN HUMANS. Exposure Ш O Haz ards Identific ation HMIS: Health 3 Flammability 0 Reactivity Personal Protection D SENSITIVE EYES, SKIN, IMPAIRED PULMONARY FUNCTION Conditions Aggravated TRISODIUM NITRILOTRIACETATE Carcinogen Info NTP X **IARC** OSHA X Target Organs or System Routes of Exposure: Inhalation Skin X Ingestion П X IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF Inhalation BREATHING IS DIFFICULT. IV Eyes FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. First Aid Measures Skin FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR ANY INJURED SKIN AREAS. GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL Ingestion ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA. Fire Control Measures/ Equipment V Flammable Property Info Fire Fighting NONE - CORROSIVE LIQUID. CONTACT WITH ALUMINUM CAUSES SEVERE **Explosion Info** Measures CORROSION AND RELEASES HYDROGEN GAS. Extinguishing Media CO2, FOAM, DRY CHEMICALS Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures STOP LEAK AND CONTAIN SPILLED MATERIAL. FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH DILUTE MINERAL ACIDS. COLLECT AND RETURN LARGE AMOUNTS TO AN APPROPRIATE COVERED CONTAINER. TREAT AS SOLID HAZARDOUS WASTE. CERCLA RQ = 2,692 LBS OR 740 GAL
	Environmental Precautions
	Ventilation Required? NO Instructions NORMAL AIR DILUTION
VII Handling and Storage	Safe Storage, Handling and Use Instructions DO NOT PRESSURE CONTAINER TO EMPTY. KEEP AWAY FROM ACIDS. KEEP CONTAINER CLOSED. DILUTE PRODUCT VERY SLOWLY. DO NOT USE HOT WATER. USE ONLY IN STAINLESS STEEL MACHINES. CORROSIVE TO OTHER SOFT METALS.
	Imcompatible Materials
	Protective Gloves ALKALI RESISTANT, RUBBER, OR PVC
VIII	Eye Protection FACE SHIELD, SAFETY GLASSES WITH SIDE SHIELD, SPLASH GOGGLES
Exposure Controls/ Personal Protection	Respiratory Protection NIOSH ALKALINE RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.
	Other Protective CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR; SAFETY SHOWER/EYE WASH IN USE AREA.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1 >1 pH Water Solubility 100 % Appearance & Odor WHITE OPAQUE LIQUID; MILD ODOR
Physical and Chemical Properties	Appearance & Odor Boiling Point 236 °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 1.250 Volatile by Volume 59 %
	Evaporation Rate(n-Butyl Acetate=1) >1
X	Peroxide, Pyrophoric, Unstable or Water Reactive MODERATE
	Reactivity and Hazardous Polymerization NONE Possible Hazardous Reactions
Λ	Conditions to Avoid
Stability and	Materials FLAMMABLE LIQUIDS, ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS,
Reactivity	To Avoid STRONG ACIDS CAUSE VIOLENT REACTIONS AND HYDROGEN GAS. Hazardous CO2 WITH INCOMPLETE COMBUSTION. H2 GAS IF PRODUCT
	Decomposition Products CONTACTS ALUMINUM.
XI Toxicological Information	Possible Effects and Environmental Fate
XII Ecological	Degradability
Information	Aquatic Toxicity
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling Method of Disposal, Residues and Safe Safe Safe Handling Method of Disposal, Residues and Safe Safe Safe Safe Solutions May BE TOXIC TO AQUATIC LIFE. DO NOT DISCHARGE TO LAKES, STREAMS, PONDS.
	Disposal of CO2 WITH INCOMPLETE COMBUSTION. H2 GAS IF PRODUCT CONTACTS ALUMINUM.
XIV Transport Information	CONTACT DISTR. DEPT. FOR DESCRIPTION
XV-Regulatory Information XVI-Other Information	
S.A.R.A.	NONVLPHENOXY POLY ETHOXY GLYCOL - CAS #9016-45-9
Title III Section 313	NONYLPHENOXY POLY ETHOXY GLYCOL - CAS #9016-45-9 CONTAINS GLYCOL ETHERS ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.
State Right to Know Information	SODIUM HYDROXIDE - CAS #1310-73-2 TRISODIUM NITRILOTRIACETATE - CAS #5064-31-3 WATER - CAS #7732-18-5 NONYLPHENOXY POLYETHOXY GLYCOL - CAS #9016-45-9 SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0