

MATERIAL SAFETY DATA SHEET

DIVERSEY LIQUID BRIL-TAK Product Name Emergency (800)831-9889 I 09340221 SCC Medical(Collect) (303)592-1024 UPC-A Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 09/22/1993 Date Indentification **CINCINNATI, OH 45241-2046** ALKALINE CLEANER Chemical Family Chemical Name of Hazardous Ingredient Units **Exposure Limits SODIUM HYDROXIDE (1310-73-2)** 45 TLV 2; PEL 2 (CEILING) MG/M3 Π Composition/ Information on Ingredients CAUSES BURNS TO EYES AND SKIN, INHALATION OF MISTS OR DUSTS IRRITATES OR CAUSES BURNS TO RESPIRATORY Signs SYSTEM AND LUNG TISSUE. HARMFUL IF SWALLOWED. П and Symptoms NO KNOWN HAZARDS Exposure Ш O Haz ards Identific ation HMIS: Health 3 Personal Protection Flammability Reactivity D SENSITIVE SKIN, DUST OR MIST MAY AGGRAVATE Conditions Aggravated RESPIRATORY DISEASE. Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System Routes of Exposure: Inhalation Skin X Ingestion X X Inhalation REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. IV 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 FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON. Fire Control WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING Measures/ APPARATUS (SCBA) IN FIRE AREA. Equipment V Flammable Property Info Fire Fighting LIQUID CORROSIVE MATERIAL **Explosion Info** Measures Extinguishing Media WATER SPRAY, CO2, DRY CHEMICAL Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures CERCLA PRODUCT RQ = 2,742 LBS. OR 182 GALLONS CONTAIN SPILL. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS. CERCLA PRODUCT RQ = 2,742 LBS. OR 182 GALLONS
	Environmental Precautions
	Ventilation Required? TLV LEVEL Instructions MAINTAIN PEL/TLV
VII Handling and Storage	Safe Storage, Handling and Use Instructions STORE IN COOL, DRY PLACE. KEEP OUT OF THE REACH OF CHILDREN. EXPOSURE TO REDUCING SUGARS FORMS CO. KEEP AWAY FROM ACIDS. WHEN DILUTING, ADD AND STIR SLOWLY TO AVOID VIOLENT SPATTERING AND HEAT GENERATION. STORE ABOVE 40 DEGREES F.
	Imcompatible Materials
	Protective Gloves RUBBER/CHEMICAL RESISTANT
VIII	Eye Protection CHEMICAL GOGGLES, SIDE SHIELD SAFETY GLASSES, OR FACE SHIELD
Exposure Controls/ Personal Protection	Respiratory Protection WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV IN MIST, SPRAY, OR DUSTY CONDITIONS.
	Other Protective Clothing Equipment WEAR APRON, PROTECTIVE CLOTHING AND FOOTWEAR. LAUNDER CLOTHES BEFORE REUSE. SAFETY SHOWER/EYE WASH.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure 10 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 %
Physical and Chemical	Appearance & Odor LIGHT YELLOW, VISCOUS LIQUID; MILD DETERGENT ODOR Boiling Point 262 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE
Properties	Boiling Point 262 °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 1.475 Volatile by Volume 55 %
	Evaporation Rate(n-Butyl Acetate=1) >1
X	Peroxide, Pyrophoric, Unstable or Water Reactive LOW
	Reactivity and Hazardous Polymerization NONE
A	Possible Hazardous Reactions Conditions to Avoid
Stability and	Materials FLAMMABLE LIQUIDS, ACIDS, ORGANIC HALOGENS, ALUMINUM, SOFT
Reactivity	To Avoid METALS, AND NITROGEN CONTAINING CHEMICALS (AMMONIA). Hazardous OXIDES OF CARBON, HYDROGEN UPON CONTACT WITH ALUMINUM; CHLORINE,
	Decomposition Products ORGANO-CHLORINE WHEN MIXED WITH ACIDS OR HEATED OVER 250 F.
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological Information	Degradability Aquatic Toxicity
- Information	Method of CORROSIVE MATERIAL - D004 RCRA HAZARDOUS.
XIII Disposal Consideration	Disposal, Residues and Safe Handling DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. TRIPLE RINSE EMPTY CONTAINER, ADD RINSATE TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING, RECYCLING, OR DISPOSAL OF CONTAINER.
	Disposal of Contaminated Material OXIDES OF CARBON, HYDROGEN UPON CONTACT WITH ALUMINUM; CHLORINE, ORGANO-CHLORINE WHEN MIXED WITH ACIDS OR HEATED OVER 250 F.
XIV Transport Information	CONTACT DISTR. DEPT. FOR DESCRIPTION
XV-Regulatory Information XVI-Other Information	
S.A.R.A. Title III Section 313	SODIUM HYDROXIDE (1310-73-2) HAS NOT BEEN SARA 313 REPORTABLE SINCE 1989.
State Right to Know Information	SODIUM HYDROXIDE - CAS #1310-73-2 WATER - CAS #7732-18-5 SODIUM GLUCONATE - CAS #527-07-1 ALKYL GLUCOSIDE - CAS #68515-73-1