

## MATERIAL SAFETY DATA SHEET

ADVANCE OVEN CLEANER Product Name Emergency (800)831-9889 I 09759280 UPC-A 363652080005 SCC 00363652080012 Medical(Collect) (303)592-1024 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 01/29/1999 Date Indentification **CINCINNATI, OH 45241-2046** ALKALINE OVEN CLEANER Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits** DIPROPYLENE GLYCOL METHYL ETHER <4 TLV 600S;PEL 600;STEL 900 MG/M3 (34590-94-8) $\Pi$ **SODIUM HYDROXIDE (1310-73-2)** <6 TLV C2: PEL C2 MG/M3 Composition/ Information on Ingredients CAUSES SEVERE BURNS TO SKIN AND EYES. HARMFUL IF SWALLOWED. Signs U and Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 3 Flammability Reactivity Personal Protection  $\mathbf{c}$ Conditions Aggravated SENSITIVE SKIN. MAY AGGRAVATE 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 IMMEDIATELY. First Aid Measures Skin FLUSH WITH FRESH WATER, REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR INJURED SKIN. GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. Ingestion NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND Fire Control Measures/ SELF-CONTAINED BREATHING APPARATUS. Equipment V Flammable Property Info Fire Fighting CORROSIVE OR STRONGLY ALKALINE LIQUID. CONCENTRATE PRODUCT **Explosion Info** Measures SOLUTION IN CONTACT WITH ALUMINUM RELEASES HYDROGEN GAS. Extinguishing Media CO2, FOAM, DRY CHEMICALS, WATER Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures  CERCLA PRODUCT RQ = 16,666 LBS OR 1,885 GALLONS  STOP LEAKS AND CONTAIN SPILLS. LIQUIDS SHOULD BE VACUUMED UP OR ABSORBED WITH CLAY OR SAND. PLACE WASTE IN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE MINERAL ACIDS OR SODIUM BICARBONATE AND FLUSH AREA WITH WATER.
	Environmental Precautions
VII Handling and Storage	Ventilation Required? NO Instructions ADEQUATE VENTILATION
	Safe Storage, Handling and Use Instructions  KEEP CONTAINER CLOSED. KEEP AWAY FROM ACIDS. DO NOT STORE WITH FOOD. KEEP OUT OF THE REACH OF CHILDREN.
	Imcompatible Materials
VIII Exposure Controls/ Personal Protection	Protective Gloves ALKALINE RESISTANT
	Eye Protection SAFETY GOGGLES OR SIDE SHIELDED SAFETY GLASSES
	Respiratory Protection  RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.  USUALLY NOT REQUIRED. WEAR NIOSH ALKALINE CARTRIDGE RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.
	Other Protective Clothing Equipment EYE WASH/SAFETY SHOWER. CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR TO PREVENT SKIN CONTACT.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 %
Physical and Chemical Properties	Appearance & Odor CLEAR LIGHT BROWN LIQUID; SOLVENT ODOR  Boiling Point 215 °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 1.06 Volatile by Volume 90 %
	Evaporation Rate(n-Butyl Acetate=1) <1
X Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive NONE
	Reactivity and Hazardous Polymerization NONE
	Possible Hazardous Reactions Conditions to Avoid
	Materials FLAMMABLE LIQUIDS, ORGANIC HALOGENS, CONCENTRATED ACIDS,
	To Avoid OR SOFT METALS.  Hazardous OXIDES OF CARBON
	Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological Information	Degradability  Aquatic Toxicity
	Method of USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY
XIII Disposal Consideration	Disposal, Residues and Safe Handling  CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADJUST PH; CONTAINS NO PHOSPHORUS.  ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY.
	Disposal of OXIDES OF CARBON Contaminated Material
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.	NONE
Title III Section 313	NONE
State Right to Know Information	WATER - CAS #7732-18-5 SODIUM HYDROXIDE - CAS #1310-73-2 DIPROPYLENE GLYCOL METHYL ETHER - CAS #34590-94-8 SODIUM GLUCONATE - CAS #527-07-1