

## MATERIAL SAFETY DATA SHEET

**R3 CONCENTRATE** Product Name Emergency (800)831-9889 I Medical(Collect) 09854340 UPC-A 774205551208 SCC (303)592-1024 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD Date 06/20/1995 Indentification **CINCINNATI, OH 45241-2046 GLASS CLEANER** Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits** ISOPROPANOL (67-63-0) TLV 980; PEL 980; ST 1225 MG/M3 <16  $\Pi$ PROPYLENE GLYCOL METHYL ETHER TLV 369: PEL 553 MG/M3 <20 Composition/ (107-98-2)Information on Ingredients DEFATS SKIN, IRRITATES EYES. Signs and Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 2 Flammability Reactivity Personal Protection 2 В SENSITIVE SKIN Conditions Aggravated Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System Routes of Exposure: Inhalation X Skin X Ingestion X Inhalation N/A IN NORMAL OPERATION. IV FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. Eyes GET MEDICAL ATTENTION. First Aid Measures Skin FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. Ingestion NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE GEAR Fire Control IN FIRE AREA. Measures/ Equipment V Flammable Property Info Fire Fighting COMBUSTIBLE LIQUID **Explosion Info** Measures Extinguishing Media CO2, FOAM, DRY CHEMICALS, WATER FOG Gases

Printed: 02/06/2004

VI Accidental Measures	Spill and Leak Clean UP Procedures  TURN OFF ALL OPEN FLAMES. CONTAIN SPILL. FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.
	Environmental Precautions
	Ventilation Required? NO Instructions NORMAL AIR DILUTION
VII Handling and Storage	Safe Storage, Handling and Use Instructions  KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE DRUM TO EMPTY.
	Imcompatible Materials
VIII Exposure Controls/ Personal Protection	Protective Gloves NON ABSORBENT
	Eye Protection SAFETY GLASSES
	Respiratory NONE Protection
	Other Protective WATER DELUGE SYSTEM FOR EYE AND SKIN CONTACT. Clothing Equipment
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure >5 MmHg@ 20 °C Vapor Density(Air=1] N/A pH Water Solubility 100 %
Physical and Chemical Properties	Appearance & Odor CLEAR BLUE LIQUID; MAGNOLA ODOR  Boiling Point 145 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE
	Flash Point 110 °F Auto Ignition N/A °F Oxidizing Properties
	Specific Gravity 0.97 Volatile by Volume 98 %
	Evaporation Rate(n-Butyl Acetate=1) <1
X	Peroxide, Pyrophoric, Unstable or Water Reactive NONE
	Reactivity and Hazardous Polymerization NONE  Possible Hazardous Reactions
	Conditions to Avoid
Stability and Reactivity	Materials NONE KNOWN To Avoid
	Hazardous OXIDES OF CARBON WITH INCOMPLETE COMBUSTION Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological Information	Degradability
Information	Aquatic Toxicity  Method of PH ADJUSTMENT; NO PHOSPHORUS. USE UNTIL LESS THAN ONE INCH
XIII Disposal Consideration	Disposal, Residues and Safe Handling  REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL.  ALL CHEMICAL COMPONENTS ARE LISTED ON TSCA INVENTORY.
	Disposal of OXIDES OF CARBON WITH INCOMPLETE COMBUSTION Contaminated Material
XIV	COMPOUNDS, CLEANING, N.O.I., LIQUID
Transport Information	
XV-Regulatory Information XVI-Other Information	
S.A.R.A.	NONE
Title III Section 313	
State Right to Know Information	PROPYLENE GLYCOL METHYL ETHER - CAS #107-98-2 ISOPROPYL ALCOHOL - CAS #67-63-0 WATER - CAS #7732-18-5 AMMONIUM ALKYL ETHER SULFATE - CAS #32612-98-9