JohnsonDiversey

MATERIAL SAFETY DATA SHEET

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I Chemical Product and Company Indentification

Product Name	**SUPER IMPEDE**
Product Code	**08497100** UPC-A **774205551444** SCC
Manufacturer	**JOHNSONDIVERSEY INC.** **3630 E. KEMPER RD** **CINCINNATI, OH 45241-2046**
Chemical Family	**CHLORINATED LAUNDRY CONCENTRATE**

Emergency	**(800)831-9889**
Medical(Collect)	**(303)592-1024**
Chemtree	**(800)424-9300**
Date	**10/26/1995**

II Composition/ Information on Ingredients

Chemical Name of Hazardous Ingredient	%	Exposure Limits	Units
SODIUM HYPOCHLORITE (7681-52-9)	**10**	**NOT ESTABLISHED**	
SODIUM HYDROXIDE (1310-73-2)	**<1**	**TLV 2; PEL 2**	

III Hazards Identification

Signs and Symptoms of Exposure

ACUTE: **CORROSIVE TO SKIN AND EYES. MISTS ARE SEVERE RESPIRATORY IRRITANTS. HARMFUL IF SWALLOWED, CAUSES BURNS TO MOUTH AND GASTRIC IRRITATION.**

CHRONIC: **SAME AS ACUTE**

HMIS: Health **3** Flammability **0** Reactivity **0** Personal Protection **D**

Conditions Aggravated: **DERMATITIS OR SENSITIVE SKIN; MAY AGGRAVATE RESPIRATORY DISEASE OR CONDITIONS.**

Carcinogen Info: **NONE** NTP IARC OSHA

Target Organs or System

Routes of Exposure: Inhalation [x] Skin [x] Ingestion [x]

IV First Aid Measures

Inhalation: **REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.**

Eyes: **FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.**

Skin: **FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION.**

Ingestion: **GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

V Fire Fighting Measures

Fire Control Measures/ Equipment: **KEEP COOL. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.**

Flammable Property Info

Explosion Info: **HIGH TEMPERATURE WILL RELEASE CL2.**

Extinguishing Media: **CO2, DRY CHEMICALS, WATER**

Gases

VI Accidental Measures

Spill and Leak Clean UP Procedures: **FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH SODIUM BISULFATE OR THIOSULFATE. COLLECT AND RETURN LARGE AMOUNTS TO AN APPROPRIATE CONTAINER. TREAT AS SOLID HAZARDOUS WASTE. LEAKS SHOULD BE STOPPED AND SPILLS CONTAINED. NEUTRALIZE RESIDUE WITH SODIUM THIOSULFATE FOR CHLORINE AND DILUTE MINERAL ACIDS FOR ALKALINITY.**

Environmental Precautions

VII Handling and Storage

Ventilation Required? **NO** Instructions **PRODUCING NORMAL AIR DILUTION**

Safe Storage, Handling and Use Instructions: **KEEP CONTAINER CLOSED. KEEP FROM FREEZING. KEEP AWAY FROM ACIDS. IF FROZEN, THAW AND MIX TO MAKE USABLE. DO NOT PRESSURE CONTAINER TO EMPTY. STORE IN A COOL AREA AWAY FROM HEAT SOURCES. KEEP AWAY FROM ACIDS.**

Imcompatible Materials

VIII Exposure Controls/ Personal Protection

Protective Gloves: **ALKALI RESISTANT, RUBBER, OR PVC**

Eye Protection: **FACE SHIELD, SIDE SHIELD SAFETY GLASSES.**

Respiratory Protection: **NIOSH ALKALINE CARTRIDGE WITH CHARCOAL FILTER IF EXPOSURE LIMITS EXCEEDED.**

Other Protective Clothing Equipment: **CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR; SAFETY SHOWER/EYE WASH IN USE AREA.**

IX Physical and Chemical Properties

Characteristics o of Hazardous Chemcial

Vapor Pressure **20.4** MmHg@ **20** °C	Vapor Density(Air=1 **N/A**	pH **11.5**	Water Solubility **100** %
Appearance & Odor **CLEAR LIGHT YELLOW LIQUID; CHLORINE ODOR**			
Boiling Point **212** °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 **1.200**		Volatile by Volume **85** %	
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 To Avoid: **CONCENTRATED MINERAL ACIDS, HEAT, SOFT METALS OR NITROGEN CONTAINING CHEMICALS LIKE AMMONIA RELEASE CHLORINE.**

Hazardous Decomposition Products: **HIGH TEMPERATURE WILL RELEASE CL2 GAS WHICH IS IRRITATING OR TOXIC.**

XI Toxicological Information

XII Ecological Information

Possible Effects and Environmental Fate

Degradability

Aquatic Toxicity

XIII Disposal Consideration

Method of Disposal, Residues and Safe Handling: **USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. PH ADJUSTMENT; NO PHOSPHATES. DISPOSE OF IN ACCORDANCE WITH FEDERAL, LOCAL AND STATE REGULATION DO NOT DISCHARGE TO LAKES OR STREAMS AS SOLUTIONS MAY BE TOXIC TO AQUATIC LIFE. CERCLA PRODUCT RQ = SODIUM HYPOCHLORITE 66 GALLONS**

Disposal of Contaminated Material: **HIGH TEMPERATURE WILL RELEASE CL2 GAS WHICH IS IRRITATING OR TOXIC.**

XIV Transport Information

HYPOCHLORITE SOLUTIONS, (WITH MORE THAN 5 PERCENT BUT LESS THAN 16 PERCENT AVAIL ABLE CHLORINE), 8, UN1791, PG III, (ERG NO. 60, NAERG#154

XV-Regulatory Information

XVI-Other Information

S.A.R.A. Title III Section 313: **ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.**

State Right to Know Information:

SODIUM HYDROXIDE - CAS #1310-73-2
SODIUM HYPOCHLORITE - CAS #7681-52-9
WATER - CAS #7732-18-5