MATERIAL SAFETY DATA SHEET

03/18/1997

Emergency (800)831-9889
Medical(Collect) (303)592-1024
Chemtrec (800)424-9300
Printed 09/27/2002

JohnsonDiversey
Clean is just the beginning

Product Name/US/R: DIVERSEY LIVER INSTITUTIONAL
Product Code: 02791278
Distributor: DIVERSEY LIVER INSTITUTIONAL
Manufacturer: JOHNSON DIVERSEY INC.
3630 E. KEMPER RD
CINCINNATI, OH 45241-2646

Chemical Family: LIQUID ACIDIC DESCALER

Chemical Name of Hazardous Ingredient
HYDROGEN CHLORIDE (7647-01-0)
PHOSPHORIC ACID (7664-38-2)

% Exposure Limits
2 <= TLV C S / PEL C S
30 <= TLV 1; PEL 1; STI

Units
PM
MCG/M3

Hazards Identification

Signs and Symptoms of Exposure
Acute: CORROSIVE TO SKIN AND EYES. MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT.
Chronic: SAME AS ACUTE

HMIS: Health 3 Flammability 0 Reactivity 0
Conditions Aggravated: SENSITIVE SKIN AND EYES
Carcinogen Info: NONE
Target Organs or Systems
Routes of Exposure: Inhalation: Skin: Ingestion:

Inhalation: REMOVE TO FRESH AIR.

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

Skin: FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.

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

Fire Control: NONE
Measures/Equipment
Flammable Property Info
Explosion Info: NONE

Extinguishing Media: CO2, FOAM Gases

Send To:

JohnzonDiversey
Spill and Leak Procedures
WIPE UP SMALL AMOUNTS. RESTRICT LARGE AMOUNTS AND NEUTRALIZE WITH BICARBONATE OF SODA. PUT RESIDUE INTO SOLID WASTE

REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 15.873 LBS. OR 1.600 GAL.

Environmental Precautions

Ventilation Required? YES

Safe Storage: DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING.

Handling: KEEP CAP ON CONTAINER.

Incompatible Materials

Protective Gloves: ACID RESISTANT
Eye Protection: GOGGLES WHEN POURING
Respiratory Protection: P3 PELITEL MAY BE EXCEEDED. USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WITH A HIGH EFFICIENCY PARTICULATE FILTER.

Other Protective Clothing/Equipment: WEAR CHEMICAL APRON WHEN HANDLING

Characteristics of Hazardous Chemical

Vapor Pressure: 7.5 mm Hg @ QVapor Density (Air=1) N/A
pH: N/A
Water Solubility: 100%
Appearance & Odor: CLEAR LIQUID, PUNGENT ODOR
Boiling Point: 70°C Melting Point: 25°C Flammability Limits in Air by Volume: Upper: NONE Lower: NON
Flash Point: NONE Auto Ignition: N/A Oxidizing Properties: VOLATILE, VOLUME 66

Decomposition Products

Peroxide, Pyrophoric, Unstable or Water React: NONE

Possible Hazardous Reactions

Conditions to Avoid: CONCENTRATED ALKALIS, REACTIVE METALS
Hazardous Materials: HCI, CO WITH INCOMPLETE COMBUSTION

Possible Effects and Environmental Fate

Decomposition Products

Method of Disposal: USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER. EMPTY CONTAINER. TRIPLE RINSE WITH WATER. ADD TO OPERATION.
Residues: REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL.
Handling: ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY.

Disposal of Contaminated Material

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID).
3. UN3264. PG.II. ERG NO.60. NAERG NO.154

CERCLA

SARA

THIS PRODUCT CONTAINS THESE SARA TITLE III SECTION 313 CHEMICALS AS INGREDIENTS IN THE FOLLOWING CONCENTRATIONS:

PHOSPHORIC ACID - CAS #7664-38-2
HYDROCHLORIC ACID - CAS #7647-01-0
WATER - CAS #7732-18-5

PRRTK6