

DUJEL 1150

MSDS ID: 11121

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DuJEL 1150

Product Descriptor: ALKALINE CHLORINATED GEL CLEANER

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
POTASSIUM HYDROXIDE	1310-58-3	1 - 5%	TWA - C 2	MG/M3
SODIUM HYPOCHLORITE	7681-52-9	1 - 5%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CORROSIVE - Contains alkalis and chlorinated chemicals. Causes severe burn to skin and eyes. May be fatal if swallowed. Do not contact eyes, skin or clothing. Wear goggles, face shield, rubber gloves, and protective clothing and boots when handling products. Avoid breathing dust or spray mist. Use respiratory protection for any breathing difficulty. TOXIC CHLORINE VAPORS may be released by fire or mixing with acids or ammonia. Contain spill and runoff, which may cause environmental damage.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Corrosive. May cause permanent damage including blindness.

SKIN: Corrosive. May cause permanent damage. INGESTION:

Corrosive. May cause burns to mouth, throat and stomach.

INHALATION: May cause irritation and corrosive effects to nose, throat and respiratory tract.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis or emphysema, etc., may be more susceptible to irritating effects. Persons with pre-existing skin disorders may be more susceptible to irritating effects.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Get medical attention immediately.

SKIN: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

INGESTION: Do not induce vomiting. Immediately drink one cupful of water or

DUJEL 1150

MSDS ID: 11121

IV. FIRST AID MEASURES (Cont.)

INHALATION: milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If breathing is affected, remove to fresh air. Get medical attention immediately.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): >212F FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Burning or decomposition may form hydrogen chloride or other toxic gasses. Liquid produces hydrogen on contact with soft, active metals.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
The Reportable Quantity (RQ) of Sodium Hypochlorite, CAS #7681-52-9 is 251 gallons or 2210 lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: CHLORINATED PRODUCT. Do not mix or store with acids or ammonia containing chemicals. Toxic chlorinated gasses may be released. Keep container closed when not in use. Wear protective gear when handling or using product. Protect from high temperatures.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists. Face shields.
PROTECTIVE GLOVES: Alkali resistant.
RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots and chemical resistant apron if contact or splash hazard exists. Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

MATERIAL SAFETY DATA SHEET

Page 3 of 4
Revised 2/02/04
Replaces 12/11/03
Printed 2/03/04

DUJEL 1150

MSDS ID: 11121

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Viscous, light yellow liquid with chlorine odor

BOILING POINT (DEG F): >200F

FREEZING POINT: 32F

SPECIFIC GRAVITY/BULK DENSITY: 1.07

pH: 13.5

pH 1% SOLUTION: 12.5%

VOLATILE BY VOLUME: 89.4%

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.3 at 20C

VAPOR DENSITY: 17.3

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Ammonia

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; hydrogen chloride, chlorine and chlorinated compounds; oxides of carbon; oxides of sulfur

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Potassium Hydroxide :

Acute Oral LD50 (rat) - 365 mg/kg (RTECS)

Acute Skin LD50 (rabbit) - 1260 mg/kg (MSI)

Sodium Hypochlorite:

Acute Oral LD50 (rat) - 2840 mg/kg (PTI)

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ECOTOXICITY TEST DATA:

Potassium Hydroxide:

Acute LC50 (96 hr.) (Pimephles promelas) - 179 mg/l

Acute LC50 (96 hr.) (Daphnia magna) - 60 mg/l

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Product is considered to be D002 - Corrosive if declared hazardous waste.

Spent or excess product is hazardous waste. Do not discharge to sewer or environment. Arrange disposal through a licensed disposal company or treat by special Waste Disposal Sheet. Recycle or dispose of containers by product labeling or governmental regulations.

MATERIAL SAFETY DATA SHEET

Page 4 of 4
Revised 2/02/04
Replaces 12/11/03
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DUJEL 1150

MSDS ID: 11121

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: None

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: ALKALI

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM HYPOCHLORITE - CAS #7681-52-9

POTASSIUM HYDROXIDE - CAS #1310-58-3

TRADE SECRET - NJ-TSRN-DL-00001

TRADE SECRET - NJ-TSRN-DL-00024

TRADE SECRET - NJ-TSRN-DL-00059

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.