
MATERIAL SAFETY DATA SHEET

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Revised 10/07/04

Replaces 2/02/04

Printed 12/21/04

DITON B VK23**MSDS ID: 57413230**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DITON B VK23

Product Descriptor: CHLORINATED MANUAL 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
SODIUM CARBONATE	497-19-8	>30%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING - Product contains irritating or harmful chemicals which cause eye or skin irritation or burns. May be harmful if swallowed. Do not get product in eyes, on skin or clothing. Wear eye protection and rubber gloves to prevent skin contact when handling product. Wash after handling. Avoid breathing dust, vapors or product spray.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Burns or severe irritation with pain, redness and swelling.

SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: If swallowed, pain, nausea and vomiting may result. INHALATION: Dust causes burns or severe irritation to nose, throat, and respiratory tract with pain, choking, and breathing difficulty.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

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

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with mild soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: N/E

UEL: N/E

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None known.

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 spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.

This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.

PROTECTIVE GLOVES: Alkali resistant.

RESPIRATORY PROTECTION: Product does not have any established exposure limits. Use NIOSH/MSA approved dust mask or dust respirator when handling this product.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Long sleeved shirt and clothing to cover exposed skin if contact 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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White, free-flowing powder, chlorine odor.

BOILING POINT (DEG F): N/A

FREEZING POINT: N/A

SPECIFIC GRAVITY/BULK DENSITY: 8.8 lb per cu.ft.

pH: N/A

pH 1% SOLUTION: 11.2%

VOLATILE BY VOLUME: 0%

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): N/A at N/A

VAPOR DENSITY: N/A

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Reducing agents; Ammonia; Nitrogen compounds

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

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: 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:

SODIUM CARBONATE:

Acute Oral LD50 (rat) - 4090 mg/kg (RTECS)

Acute Inhalation LC50 (rat, 2 hr.) - 2.3 mg/l (Env. Res. 31:138 (1983))

Sodium Tripolyphosphate:

Acute Oral LD50 (rat) 4100 mg/kg

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:

Sodium Carbonate:

Acute LC50 (48 Hr.) (Daphnia magna) 265-565 mg/l

Acute LC50 (96 Hr.) (Lepomis macrochirus) 300-325 mg/l

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local regulations.

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

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XV. REGULATORY INFORMATION (Cont.)

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: 2 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: E

NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: None

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM CARBONATE - CAS #497-19-8

SODIUM SULFATE - CAS #7757-82-6

SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4

SODIUM DODECYLBENZENE SULFONATE - CAS #25155-30-0

SODIUM DICHLORO-S-TRIAZINETRIONE - CAS #2893-78-9

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.