CITRU QUAT 3

Revised Replaces Printed

1 of 4

2/02/04

8/12/03 2/03/04

Page

MSDS ID: 02388

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CITRU QUAT 3

Product Discriptor: Germicidal Floor Cleaner

MANUFACTURER: JOHNSONDIVERSEY, INC. EMERGENCY PHONE NUMBER: (800)851-7145

3630 E. KEMPER ROAD CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS		
Component Name	CAS Number %	Exposure Limits Units
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5 1 -	5% None est.
LINEAR ALCOHOL ETHOXYLATE SODIUM METASILICATE	68439-46-3 5 - 1 6834-92-0 1 - 1	

#### III. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

CORROSIVE MATERIAL-Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact. POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns or irritation with pain, redness, swelling, and blurred sight. SKIN: Burns, blisters or rash with pain and swelling. INGESTION: Burns or irritation to mouth, throat with pain, nausea and vomiting. INHALATION: Spray or mist causes pain, choking, and

breathing difficulty.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

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 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 with water. Get prompt medical attention. NOTE:

Never give fluids by mouth to an unconcious person.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical

CITRU QUAT 3

MATERIAL SAFETT DATA SHEET

Page 2 of 4 Revised 2/02/04 Replaces 8/12/03 Printed 2/03/04

MSDS ID: 02388

IV. FIRST AID MEASURES (Cont.)

attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): >200 FLAME EXTENSION: N/A FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: ND UEL: ND

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.

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. Absorb with sand or clay. Collect material and place in suitable waste container. Neutralize solids and spill area with soda ash or lime. Dispose of by environmental regulations.

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 from freezing. If frozen, warm to thaw and mix for use. 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: Face shield if contact or splash hazard exists. Eye wash in use area.

PROTECTIVE GLOVES: Alkali resistant.

RESPIRATORY PROTECTION: Not normally required.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Protective clothing to cover exposed skin if contact or splash hazard exists.

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: Normal room ventilation should be sufficient to

control airborne levels.

LOCAL VENTILATION: Not usually required.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

FREEZING POINT: ND

APPEARANCE AND ODOR: Clear light yellow liquid with lemon odor.

BOILING POINT (DEG F): 215

SPECIFIC GRAVITY/BULK DENSITY: 1.046

ph: 13.2 ph 1% SOLUTION: 11.3

VOLATILE BY VOLUME: 80

SOLUBILITY IN WATER: Soluble

CITRU QUAT 3

Page 3 of 4 Revised 2/02/04 Replaces 8/12/03 Printed 2/03/04

MSDS ID: 02388

IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

VAPOR PRESSURE(mmHq): 17.5 at 20 C VAPOR DENSITY: >AIR

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Soap and anionic detergents.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

Contains Corrosive and Irritating alkaline chemicals. See Section II for amounts and identity. Acute toxicology tests are listed below.

TOXICITY TEST DATA:

Sodium metasilicate: Acute Oral LD50 (rat) - 1153 mg/kg (RTECS)

#### XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluents containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

### XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Concentrated product would be considered D002- corrosive if declared hazardous waste.

PESTICIDE WASTES ARE TOXIC. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for Guidance. DO NOT contaminate water, food or feed by storage or disposal or cleaning of equipment. Dispose of unused, uncontaminated product in compliance with local, state and federal regulations

## XIV. TRANSPORT INFORMATION

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

CITRU QUAT 3

Page 4 of 4 Revised 2/02/04 Replaces 8/12/03 Printed 2/03/04

MSDS ID: 02388

# XV. REGULATORY INFORMATION

U.S. Federal Regulations:

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

HAPS: Contains no hazardous air pollutants.

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

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: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 1 REACTIVITY: 0 SPECIAL: CORROSIVE

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS #7732-18-5

LINEAR ALCOHOL ETHOXYLATE - CAS #68439-46-3

DIDECYL DIMETHYL AMMONIUM CHLORIDE - CAS #7173-51-5

SODIUM METASILICATE - CAS #6834-92-0

ETHYLENEDIAMINE TETRAACETIC ACID, TETRASODIUM SALT -

CAS #64-02-8

EPA REGISTRATION NO.: 3635-276

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.