

ITEM: 2CXX3 - PK2 Disinfectant/Deodorizer 1.5 L

MSDS: B6905

ORDER: 0082675968

LP NUMBER: U844029787

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B6905

Associated Grainger Items
2RV11, 2RV12, 2RV13, 2CXX3

RAMSEY (TM/MC)
BY JOHNSONDIVERSEY

MATERIAL SAFETY DATA SHEET

FREQUENCY 256(R*) DISINFECTANT CLEANER

HEALTH HMIS NFPA
3 3
FIRE HAZARD 1 1
REACTIVITY 0 0

PERSONAL PROTECTIVE EQUIPMENT:
CHEMICAL GOGGLE
GLOVES
BOOTS

VERSION NUMBER: 5

PREPARATION DATE: 2010-06-02

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FREQUENCY 256(R*) DISINFECTANT CLEANER

MSDS #: F-00147002

PRODUCT CODE: 4428266, 4207703, 4207691, 4207674

RECOMMENDED USE:
DISINFECTANT. THIS PRODUCT IS INTENDED TO BE DILUTED PRIOR TO USE.

MANUFACTURER, IMPORTER, SUPPLIER:
US HEADQUARTERS
JOHNSONDIVERSEY, INC.
8310 16TH ST.
STURTEVANT, WISCONSIN 53177-1964

RAMSEY INFORMATION PHONE: 1-800-421-2768

MSDS INTERNET ADDRESS: WWW.RAMSEYCOMPANY.COM

EMERGENCY TELEPHONE NUMBER:
1-800-851-7145 (U.S.)
1-651-917-6133 (INT'L)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
DANGER. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN BURNS.
HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. AVOID BREATHING
SPRAY MIST.

PRINCIPAL ROUTES OF EXPOSURE: EYE CONTACT. SKIN CONTACT. INHALATION.

EYE CONTACT: CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE.

SKIN CONTACT: CORROSIVE. CAUSES PERMANENT DAMAGE.

INHALATION:
MAY CAUSE IRRITATION AND CORROSIVE EFFECTS TO NOSE, THROAT AND RESPIRATORY
TRACT.

INGESTION: CORROSIVE. CAUSES BURNS TO MOUTH, THROAT AND STOMACH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS #	WEIGHT %	LD50 ORAL - RAT (MG/KG)	LD50 DERMAL - RABBIT	LC50 INHALATION - RAT
LAURYL DIMETHYL AMINE OXIDE	1643-20-5	1.2	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
ETHYL ALCOHOL	64-17-5	3.1074	7060	NOT AVAILABLE	NOT AVAILABLE

4. FIRST AID MEASURES

EYE CONTACT:
HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15-20 MINUTES.
REMOVE CONTACT LENSES, IF PRESENT, AFTER THE FIRST 5 MINUTES, THEN
CONTINUE RINSING EYES. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:
TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF
WATER FOR 15-20 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:
IMMEDIATELY MOVE THE VICTIM TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL
911 OR AN AMBULANCE AND THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY
MOUTH TO MOUTH, IF POSSIBLE. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
CALL MEDICAL ATTENDANT, DOCTOR, OR POISON CONTROL CENTER IMMEDIATELY. HAVE
PERSON SIP A GLASS OF WATER IF ABLE TO SWALLOW. DO NOT INDUCE VOMITING
UNLESS TOLD TO DO SO BY A POISON CONTROL CENTER OR DOCTOR. NEVER GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN:

PROBABLE MUCOAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

AGGRAVATED MEDICAL CONDITIONS:
INDIVIDUALS WITH CHRONIC RESPIRATORY DISORDERS SUCH AS ASTHMA, CHRONIC
BRONCHITIS, EMPHYSEMA, ETC., MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:
DRY CHEMICAL, WATER SPRAY, FOAM, CARBON DIOXIDE.

SPECIFIC HAZARDS:
ALTHOUGH THIS PRODUCT HAS A FLASH POINT BELOW 200 DEG. F, IT IS AN AQUEOUS
SOLUTION CONTAINING AN ALCOHOL AND DOES NOT SUSTAIN COMBUSTION.

UNUSUAL HAZARDS: CORROSIVE MATERIAL (SEE SECTIONS 8 AND 10).

SPECIFIC METHODS: NO SPECIAL METHODS REQUIRED

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,
MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:
NO INFORMATION AVAILABLE

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8.).

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:
CLEAN-UP METHODS - LARGE SPILLAGE. USE APPROPRIATE CONTAINMENT TO AVOID
ENVIRONMENTAL CONTAMINATION. SOAK UP WITH INERT ABSORBENT MATERIAL. SWEEP
UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL. USE A WATER RINSE FOR
FINAL CLEAN-UP.

7. HANDLING AND STORAGE

HANDLING:
AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT TASTE OR SWALLOW. AVOID
BREATHING VAPORS OR MISTS. USE ONLY WITH ADEQUATE VENTILATION. REMOVE AND
WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. WASH THOROUGHLY
AFTER HANDLING. PRODUCT RESIDUE MAY REMAIN ON/IN EMPTY CONTAINERS. ALL
PRECAUTIONS FOR HANDLING THE PRODUCT MUST BE USED IN HANDLING THE EMPTY
CONTAINER AND RESIDUE. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

STORAGE:
PROTECT FROM FREEZING. KEEP TIGHTLY CLOSED IN A DRY, COOL AND
WELL-VENTILATED PLACE. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES TO REDUCE EXPOSURE:
GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS
RESPIRATORY PROTECTION IS NOT REQUIRED IF GOOD VENTILATION IS MAINTAINED.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: CHEMICAL-SPLASH GOGGLES.

HAND PROTECTION: CHEMICAL-RESISTANT GLOVES

SKIN AND BODY PROTECTION:
PROTECTIVE FOOTWEAR. IF MAJOR EXPOSURE IS POSSIBLE, WEAR SUITABLE
PROTECTIVE CLOTHING AND FOOTWEAR.

RESPIRATORY PROTECTION:
IN CASE OF INSUFFICIENT VENTILATION WEAR SUITABLE RESPIRATORY EQUIPMENT. A
RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI
Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT
A RESPIRATOR'S USE.

HYGIENE MEASURES:
HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

INGREDIENT(S)	CAS #	ACGIH	OSHA	MEXICO
ETHYL ALCOHOL	64-17-5	1000 PPM (STEL)	1000 PPM (TWA) 1900 MG/M3 (TWA)	1000 PPM (TWA) 1900 MG/M3 (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

APPEARANCE: LIQUID AQUEOUS SOLUTION

SPECIFIC GRAVITY: 1.0

VAPOR DENSITY: NO INFORMATION AVAILABLE

BOILING POINT/RANGE: NOT DETERMINED

DECOMPOSITION TEMPERATURE: NOT DETERMINED

SOLUBILITY: COMPLETELY SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE

ELEMENTAL PHOSPHORUS: 0% BY WT.

pH: 10.25

BULK DENSITY: NO INFORMATION AVAILABLE
EVAPORATION RATE: NO INFORMATION AVAILABLE
COLOR: CLEARPURPLE
ODOR: QUATERNARY
MELTING POINT/RANGE: NOT DETERMINED
AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE

DENSITY:
8.32 LBS/GAL
1.0 KG/L

FLASH POINT:
>187 DEG F
>86 DEG C

VISCOSITY: NO INFORMATION AVAILABLE

VOC: 3.1% *

DILUTION pH: 8.8 @ 1:256

EXPLOSION LIMITS:
UPPER: NOT DETERMINED
LOWER: NOT DETERMINED

* - TITLE 17, CALIFORNIA CODE OF REGULATIONS, DIVISION 3, CHAPTER 1,
SUBCHAPTER 8.5, ARTICLE 2, CONSUMER PRODUCTS, SECTIONS 94508

10. STABILITY AND REACTIVITY

STABILITY: THE PRODUCT IS STABLE
POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEEABLE.
MATERIALS TO AVOID: ACIDS.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
CORROSIVE.
ORAL LD50 ESTIMATED TO BE BETWEEN 400 - 2000 MG/KG.
DERMAL LD50 ESTIMATED TO BE >2000 MG/KG

COMPONENT INFORMATION: SEE SECTION 3

CHRONIC TOXICITY: NONE KNOWN

SPECIFIC EFFECTS:
CARCINOGENIC EFFECTS: NONE KNOWN
MUTAGENIC EFFECTS: NONE KNOWN
REPRODUCTIVE TOXICITY: NONE KNOWN
TARGET ORGAN EFFECTS: NONE KNOWN

INGREDIENT(S)	CAS #	NTP	IARC	OSHA
ETHYL ALCOHOL	64-17-5	X	1	X

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL INFORMATION: NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

WASTE FROM RESIDUES / UNUSED PRODUCTS:

PESTICIDAL WASTE:
OBSERVE ALL APPLICABLE FEDERAL/PROVINCIAL/STATE REGULATIONS AND LOCAL/MUNICIPAL ORDINANCES REGARDING DISPOSAL OF PESTICIDE WASTES. DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. INCINERATION IS THE PREFERRED METHOD. RELATIVELY SMALL QUANTITIES OF PRODUCT MAY BE NEUTRALIZED AS STATED ABOVE, AND IF IN ACCORDANCE WITH LOCAL LAWS AND THE OPERATORS OF THE LOCAL SEWAGE TREATMENT PLANT, THE NEUTRALIZED MATERIAL MAY BE DISCHARGED INTO THE SEWER SYSTEM.

PESTICIDE STORAGE: DO NOT REUSE EMPTY CONTAINER. KEEP FROM FREEZING.

PESTICIDE DISPOSAL:
PESTICIDE WASTES ARE ACUTELY HAZARDOUS. IMPROPER DISPOSAL OF EXCESS PESTICIDE, SPRAY MIXTURE, OR RINSAE 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.

CONTAINER DISPOSAL:
PESTICIDE PRODUCT DISPOSAL REQUIREMENTS VARY BY PACKAGE SIZE AND TYPE. PESTICIDES INCLUDE DISINFECTANTS AND SANITIZERS. SEE PRODUCT LABEL FOR COMPLETE DISPOSAL INSTRUCTIONS. ALWAYS DISPOSE OF ACCORDING TO ALL FEDERAL, STATE AND LOCAL APPLICABLE REGULATIONS.

14. TRANSPORT INFORMATION

DOT/TDG:
PLEASE REFER TO THE BILL OF LADING/RECEIVING DOCUMENTS FOR UP TO DATE SHIPPING INFORMATION

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE FOLLOWING INVENTORIES:
U.S.A. (TSCA)

U.S. REGULATIONS:

EPA REG. NO.: 7546-27-69920

CALIFORNIA PROPOSITION 65:
THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS UNDER CALIFORNIA'S PROPOSITION 65

CERCLA / SARA: NONE

SARA 311/312 HAZARD CATEGORIES:
IMMEDIATE (X)
DELAYED ()
FIRE ()
REACTIVITY ()
SUDDEN RELEASE OF PRESSURE ()

16. OTHER INFORMATION

REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: DOES NOT CONTAIN AN ADDED FRAGRANCE.

NOTICE TO READER:
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