



Chemical Name: Re-Juv-Nal

Manufacturer: Hillyard Industries

Container Sizes: 2 qt. 1 Gal.

Location: SOC

Disposal: Pour in sink or toilet. Place empty container in trash.

MSDS Safety Information

FSC: 6850
MSDS Date: 07/08/1994
MSDS Num: CJKSR
LIIN: 00N036016
Product ID: RE-JUV-NAL, 0704A
MFN: 02

Responsible Party
Cage: 28745
Name: HILLYARD INDUSTRIES
Address: 302 NORTH FOURTH STREET
City: ST JOSEPH MO 64501
Info Phone Number: 816-233-1321 (EXT.303)
Emergency Phone Number: 800-424-9300
Resp. Party Other MSDS No.: #166
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

Contractor Summary

Cage: 28745
Name: HILLYARD INDUSTRIES
Address: 302 NORTH FOURTH STREET
City: ST JOSEPH MO 64501
Phone: 816-233-1321 (EXT 2303)

Item Description Information

Ingredients

Cas: 7173-51-5
RTECS #: BP6560000
Name: DIDECYL DIMETHYL AMMONIUM CHLORIDE
Percent by Wt: 2.31

Cas: 8001-54-5
RTECS #: BO3150000
Name: AMMONIUM, ALKYL DIMETHYLBENZYL-, CHLORIDE; (N-ALKYL (C-14 50%, C12 40%, C16 10%) DIMETHYL BENZYL AMMONIUM CHLORIDE)
Percent by Wt: 1.54

Cas: 2605-78-9
Name: OCTYL DIMETHYL AMINE OXIDE

Cas: 139-33-3
RTECS #: AH4375000
Name: EDTATE DISODIUM; (EDTATE DISODIUM)

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER; (DEIONIZED WATER)

Health Hazards Data

LD50 LC50 Mixture: LD50:(ORAL,RAT) 6.9 G/KG.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: ACUTE: CAUSES EYE IRRITATION; MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. CHRONIC: INHALATION OF FINE FOG MIST CAN CAUSE IRRITATION OF MUCOUS MEMBRANES. FINE FOG MIST APPLICATION IS NOT RECOMMENDED.

Explanation Of Carcinogenicity: NO CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN.

Signs And Symptoms Of Overexposure: DIRECT EYE CONTACT CAN CAUSE IRRITATION; SKIN CONTACT CAN CAUSE IRRITATION.

Medical Cond Aggravated By Exposure: NONE KNOWN TO MANUFACTURER.

First Aid: EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES; IF IRRITATION PERSISTS CALL MD. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES; IF IRRITATION PERSISTS CALL MD. INGESTION: DRINK PROMPTLY A LARGE QUANTITY OF WATER. AVOID ALCOHOL. CALL MD IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O2/ARTF RESP) (FP N).

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Handling and Disposal
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Spill Release Procedures: AVOID CONTAMINATION OF FOOD, WATER OR FEED. CONTAIN SPILL.

Waste Disposal Methods: PESTICIDE WASTES ARE ACUTELY HAZ. IMPROPER DISP OF EXCESS PESTICIDE, SPRAY MIXT/RINSATE IS A VIOLATION OF FED LAW. IF THESE WASTES CANNOT BE DISP OF BY USE ACCORDING TO LBL INSTRUCTIONS, CONT YOUR STATE PESTICIDE/ENVIRON CONTROL AGENCY/HAZ WASTE REPRESENTATIVE AT NEAREST EPA REGIONAL OFFICE FOR GUID ANCE. BUYER/USER IS RESPONSIBLE TO (SUPP DATA)

Handling And Storage Precautions: KEEP AWAY FROM CHILDREN.

Other Precautions: TRIPLE RINSE EMPTY CONTAINERS THOROUGHLY WITH WATER BEFORE DISPOSAL.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point Text: NONE TO BOILING

Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: NONE. NFPA & RATINGS: HEALTH - 1; FLAMMABILITY - 0; REACTIVITY - 0.

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Control Measures
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Respiratory Protection: NONE NORMALLY REQUIRED. IF EXPOSED TO FINE MIST DROPLETS OF LESS THAN 15 MICRONS, A NIOSH APPROVED RESPIRATOR SHOULD BE WORN.

Protective Gloves: RUBBER GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: EYE WASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE.

Supplemental Safety and Health: WASTE DISP METH: COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE DISPOSAL OF THESE PRODUCTS.

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Physical/Chemical Properties
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Boiling Point: =98.9C, 210.F

Vapor Pres: 17.6 MM HG

Vapor Density: 0.6(AIR=1)

Spec Gravity: 1 @ 25C & 1 @ 39C(H*20=1)

PH: 6.5 - 7.5(CONC)

Evaporation Rate & Reference: SLOWER/(ETHYL ETHER (=1))

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, REDDISH-ORANGE LIQUID; FLORAL ODOR.

Percent Volatiles by Volume: 94.7

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: ACIDS.

Hazardous Decomposition Products: NONE KNOWN TO HILLYARD.

Hazardous Polymerization Indicator: NO

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MSDS Transport Information
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Other Information
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Other Information: THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE OR MISUSE OF THESE PRODUCTS. -- EMERGENCY TELEPHONE NO: (800) 424-9300 (ONLY IN THE EVENT OF CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.)

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HAZCOM Label
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Product ID: RE-JUV-NAL, 0704A

Cage: 28745

Company Name: HILLYARD INDUSTRIES

Street: 302 NORTH FOURTH STREET

City: ST JOSEPH MO

Zipcode: 64501

Health Emergency Phone: 800-424-9300

Label Required IND: Y

Date Of Label Review: 08/23/1999

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: ACUTE: CAUSES EYE IRRITATION; MAY CAUSE SKIN
IRRITATION. MAY BE HARMFUL IF SWALLOWED. CHRONIC: INHALATION OF FINE FOG MIST
CAN CAUSE IRRITATION OF MUCOUS MEMBRANES. FINE FOG MIST APPLICATION IS NOT RE
COMMENDED. CHRONIC: NONE SPECIFIED BY MANUFACTURER (FP N).

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