

CALJEN SALES CO -- SCALE-AWAY -- 6850-01-359-9214

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===== Product Identification =====

Product ID:SCALE-AWAY  
MSDS Date:04/10/1993  
FSC:6850  
NIIN:01-359-9214  
MSDS Number: BVBRZ  
=== Responsible Party ===  
Company Name:CALJEN SALES CO  
Address:1041 VIA CORDOVA  
City:SAN PEDRO  
State:CA  
ZIP:90732  
Country:US  
Info Phone Num:310-547-2977  
Emergency Phone Num:310-547-2977  
CAGE:IO123

==== Contractor Identification

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Company Name:CALJEN SALES CO  
Address:1041 VIA CORDOVA  
Box:City:SAN PEDRO  
State:CA  
ZIP:90732  
Country:US  
Phone:213-547-2977  
CAGE:IO123  
Company Name:CALJEN SALES COMPANY  
Address:1041 VIA CORDOVA  
Box:City:SAN PEDRO  
State:CA  
ZIP:90732  
Country:US  
Phone:213-547-2977  
CAGE:57788

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===== Composition/Information on Ingredients =====

Ingred Name:PHOSPHORIC ACID (SARA III). LD50:(ORAL,RAT) 1530 MG/KG  
CAS:7664-38-2  
RTECS #:TB6300000  
Fraction by Wt: 20%  
OSHA PEL:1 MG/M3;3 STEL  
ACGIH TLV:

1 MG/M3;3 STEL  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:GLYCOLIC ACID; (HYDROXYACETIC ACID). LD50:(ORAL,RAT) 1.95  
MG/KG  
CAS:79-14-1  
RTECS #:MC5250000  
Fraction by Wt: 18%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:SUPP DATA: ARTF RESP, WHICH MAY BE SUPPLEMENTED BY THE USE  
OF A BAG-MASK RESP OR A MANUALLY TRIGGERED OXYGEN (ING 4)  
RTECS #:9999999ZZ

Ingred Name:ING 3: SUPPLY CAPBLE OF DELIVERING ON LITER/SECOND OR MORE.  
IF THE VICTIM IS BRTHG, OXYEN MAY BE DELIVERED (ING 5)  
  
RTECS #:9999999ZZ

Ingred Name:ING 4: FROM A DEMAND-TYPE OR CONTINUOUS-FLOW INHALATOR,  
PREFERABLY WITH MD'S ADVICE. INGEST: DO NOT INDUCE (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5:VOMIT, IMMED GIVE LARGE QTYS OF WATER. IF VOMIT DOES  
OCCUR, GIVE FLUIDS AGAIN. DO NOT INDUCE VOMIT OR GIVE (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6: ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A  
PHYSICIAN OR THE NEAREST POIS CTL CTR IMMEDIATELY.  
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: ENVIRO  
NMENT. NEUT CAUTIOUSLY W/A BASE SUCH AS  
SODA ASH AND DISCARD PER RCRA REGS. PHOSPHORIC ACID (ING 9)  
RTECS #:9999999ZZ

Ingred Name:ING 8: IS A HAZARDOUS SUBSTANCE WITH A REPORTABLE QUANTITY  
OF 5000 LBS. IF 5000 LBS OR MORE ARE SPILLED OR (ING 10)  
RTECS #:9999999ZZ

Ingred Name:ING 9: DISCHARGED TO THE ENVIRONMENT, IT MUST BE REPORTED  
TO THE NATIONAL RESPONSE CENTER.  
RTECS #:9999999ZZ

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFI

ED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: SEVERE ACID BURNS. SKIN: SEVERE ACID BURNS. INHAL: MIST CAN CAUSE DAMAGE TO NASAL AND RESPIRATORY PASSAGES. INGESTION: SEVERE INTERNAL IRRITATION AND DAMAGE.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY DISORDERS.

===== First Aid Measures =====

First Aid:EYE:IMMED FLUSH W/LRG QTYS OF RUNNING WATER FOR @ LST 15 MIN. HOLD EYELIDS APART DURING FLUSHING TO ENSURE RINSING OF THE ENTIRE SURF W/WATER. DO NOT ATTEMPT TO NEUT W/CHEM AGENTS. OBTAIN MED ATTN AS SOON AS POSS. OILS OR OINTMENTS SHOULD NOT BE USED. CONTINUE FLUSHING FOR AN ADDNL 15 MIN IF MD IS NOT IMMED AVAIL. SKIN:IMMED FLUSH ALL AFFECTED AREAS W/LRG AMTS OF WATER FOR @ LST 15 MIN.(SUP

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DATA)

===== Fire Fighting Measures =====

Flash Point:NON-COMBUSTIBLE

Extinguishing Media:WATER FOG.

Fire Fighting Procedures:PROD CAN REACT W/METALS TO RELEASE FLAMMABLE HYDROGEN. WATER SPRAY MAY BE EFFECTIVE IN ABSORBING GAS. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROT EQUIP .

Unusual Fire/Explosion Hazard:CONTAINERS IN VICINITY OF FIRE SHOULD BE COOLED TO PREVENT OVERHEATING AND DECOMPOSITION OF CONTAINED PRODUCT WITH RELEASE OF TOX PHO SPHORUS OXIDE FUMES.

===== Accidental Release Measures =====

Spill Release Procedures:SML:CAN BE HANDLED ROUTINELY. IF MIST/VAP ARE GENERATED, USE ADEQ VENT & WEAR NIOSH/MSHA APPRVD RESP TO PVNT INHAL. WEAR SUITABLE PROT CLTHG & EYE PROT TO PVNT SKIN & EYE CNTCT. USE THE FOLLOWING PROC : CNTN SPILL TO PVNT DISCHARGE TO THE (ING 8)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CNTNR CLOSED WHEN NOT IN USE. FOR INDUSTRIAL AND INSITUTIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. MIX ONLY WITH WATER.

Other Precautions:WASH CONTAMINATED CLOTHING BEFORE REUSE. THOROUGHLY RINSE AND OFFER EMPTY CNTNR FOR RECYLING, RECONDITIONING OR DISP IN AN APPROVED LANDFILL OR DISPOSE OF IT IN A MANNER THAT WILL NOT ADVERSELY AFFECT THE ENVIRONMENT.

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===== Exposure Controls/Personal Protection =====

Respiratory

Protection:IF USE CONDITIONS GENERATE MIST OR VAPOR, WEAR NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:MECHANICAL.

Protective Gloves:IMPERVIOUS GLOVES (NEOPRENE, NITRITE)

Eye Protection:ANSI APPROVED CHEMICAL (WORK HYGIENE)

Other Protective Equipment:IMPERVIOUS FOOTWEAR IF THERE IS EXPOSURE POTENTIAL. WATER SOURCE THAT CAN BE USED FOR FIRST AID EYE AND SKIN WASH.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER. EYE PROTECTION: WORKER GOGGLES WITH FULL LENGTH FACESHIELD .

Supplemental Safety and Health

FIRST AID PROC: REMOVE ALL CONTAM CLTHG & SHOES WHILE UNDER A SAFETY SHOWER WIPING AWAY EXCESS MATL FROM SKIN. DO NOT ATTEMPT TO NEUT W/CHEM AGENTS. OBTAIN MED ADVICE IMMED. DISCARD CONTAM CLTHG & SHOES. INHAL:REMOVE FROM CONTAM ATMOSPHERE. IF BRTHG HAS CEASED, CLEAR VICTIM'S AIRWAY & START MOUTH-TO-MOUTH (ING 3)

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===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:>212F,>100C

Vapor Density:HVR/AIR

Spec

Gravity:1.216

pH:< 1

Solubility in Water:COMPLETE

Appearance and Odor:BLUE-GREEN COLOR/ACIDIC ODOR.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS (E.G., MILD STEEL AND ALUMINUM). ALKALINE MATLS REACT VIGOROUSLY (LIME, SODA ASH, CAUSTIC SODA).

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:AT FLAME TEMPERATURES, WILL EMIT TOXIC PHOSPHORUS OXIDE FUMES.

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===== Disposal Considerations =====

Waste Disposal Methods:BECAUSE OF ITS CORROSIVE CHARACTERISTIC, UNNEUTRALIZED PROD, WHEN DISCARDED, IS A HAZARDOUS WASTE AS DEFINED IN 40 CFR 261.22 (RCRA REGS), AND DISP PROCEDURE ARE CONTROLLED BY RCRA RULES. DISP MUST BE IN ACCORD W/FEDERAL, STATE AND LOC REGS .

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