

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

===== 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

===

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

===== 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

P
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.

=====
===== 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)

=====
===== 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.

=====
===== 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.

=====

===== 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 .

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.