

MATERIAL SAFETY DATA SHEET

Product Code: B014100

VARN CALCIUM ELIMINATOR

SECTION 1: MANUFACTURER IDENTIFICATION

Manufacturer's Name: Day International Chemical Products Div.
Address: 130 West Second Street, Suite 1700
Dayton, Ohio 45402

Emergency Phone: 800-424-9300 CHEMTREC®
Name of Preparer: Day Chemical Prod. Div

Information Phone: 800-336-8276
Date Printed: 8/23/2007
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HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

SECTION 2: HAZARDOUS INGREDIENTS / SARA III INFORMATION

Component	CAS Number	Vapor Pressure mm Hg @ Temp	Weight Percent
Hydroxyacetic Acid OSHA PEL: N/E, ACGIH TLV: N/E, Mfg: 10mg/M3 TWA	79-14-1	N/E N/A	8%
Amidosulfonic Acid OSHA: N/E, ACGIH® TLV®: N/E	5329-14-6	N/E N/A	8%
Citric Acid OSHA PEL: N/E, ACGIH® TLV®: N/E	77-92-9	N/A N/A	6%

All ingredients are listed on the EPA TSCA Inventory

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE / POINT:	>212°F
VAPOR DENSITY:	Heavier than air.
EVAPORATION RATE:	Slower than water.
V.O.C. (EPA METHOD 24) lb/gal:	0.0
VAPOR PRESSURE (MM HG @20 C):	Not applicable.
SOLUBILITY IN WATER:	100%
APPEARANCE AND ODOR:	Green Liquid - Mild Odor
SPECIFIC GRAVITY (H2O=1):	1.10

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	None; aqueous product.
METHOD USED:	TAG CC
FLAMMABLE LIMITS IN AIR BY VOLUME:	
LOWER:	Not applicable.
UPPER:	

EXTINGUISHING MEDIA:
Use any fire extinguishing media.

SPECIAL FIREFIGHTING PROCEDURES:
Under normal conditions this product does not support combustion. However, as in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved) and full protective (bunker) gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:None Known. **SECTION 5: REACTIVITY DATA****STABILITY:**

Stable

CONDITIONS TO AVOID:

Avoid conditions of excess heat to prolong shelf life. Protect from freezing .

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid mixing with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

None known.

HAZARDOUS POLYMERIZATION:

Will Not Occur.

SECTION 6: HEALTH HAZARD DATA**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Not an inhalation hazard in normal industrial use.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin contact may cause moderate irritation. Eye contact will cause severe ir ritation and could result in permanent damage.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Prolonged or repeated skin contact may cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Ingestion of this product will cause nausea, gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

HEALTH HAZARDS (ACUTE AND CHRONIC):

This product will cause irritation and possible permanent damage upon contact with eyes and cause irritation to the skin. No chronic effects are known or expected.

CARCINOGENICITY NTP CARCINOGEN: No**IARC CARCINOGEN:** No**OSHA CARCINOGEN:** No**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**Skin contact may aggravate pre-existing dermatitis. **EMERGENCY AND FIRST AID PROCEDURES:**

EYES: Flush with water for 15 minutes. Seek medical attention immediately. SKIN: Wash with soap and water. INHALATION: Move to fresh air. INGESTION: DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water to drink. Never give anything by mouth to an unconscious person.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASES OR SPILLED:**

Clean up small spills with soap water and a mop. Large spills should be diked and kept from entering the sewer. Soak up large spills with absorbent or transfer liquid into a closed container for later disposal.

WASTE DISPOSAL METHOD:

Product may meet the sewer disposal guidelines in many municipalities, after pH adjustment. Sewer disposal is governed by EPA Regulations (Clean Water Act) which controls local sewer authorities (POTW). Sewer disposal of spent product may be restricted by discharge limits for specific chemicals set by the POTW and end of pipe chemical levels of the individual user. Check with the local POTW before sewer disposing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool dry area away from sunlight and excess heat. Protect from freezing. When using or transferring this product, wear proper personal protective equipment.

OTHER PRECAUTIONS / DOT INFORMATION:

DOT Proper Shipping Name: Corrosive Liquid n.o.s. (Sulfamic Acid), Hazard Class: 8, ID No.: UN1760, Packing Group: III. Containers of 1 gallon or less are exempt.

SECTION 8: CONTROL MEASURES**RESPIRATORY PROTECTION:**

No special protection is required under normal conditions of use.

VENTILATION:

No special ventilation required.

PROTECTIVE GLOVES:

Wear resistant gloves made of neoprene or nitrile rubber.

EYE PROTECTION:

Wear safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A personal protective rating of X means you must see your supervisor for guidance. OSHA regulations (29CFR Part 1910, Subpart I) require employers to evaluate Personal Protective Equipment requirements in the workplace.

WORK/HYGIENIC PRACTICES:

Wash with soap and water after product contact with skin.

SECTION 9: DISCLAIMER

The information on this MSDS is believed to be accurate as of the date shown in SECTION 1. Since the use of this product is not under the control of the manufacturer, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.