

ENFORCER Products
 A Division of Acuity Specialty Products
 Group, Inc.
 P.O. Box 1060
 Cartersville, GA 30120

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Alkaline Drain Opener

Product Code PVADO

Date of issue 12/05/06 **Supersedes**

Emergency Telephone Numbers **For a Medical Emergency:**
 INFOTRAC
 (877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
 CHEMTREC
 (800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by Compliance Services Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	5 - 10	ACGIH /OSHA (United States). CEIL: 2 mg/m ³
SODIUM HYPOCHLORITE; hypochlorous acid, sodium salt; bleach	7681-52-9	1 - 5	ACGIH TLV (United States). TWA: 0.5 ppm 8 hour(s). Form: As Cl ₂ STEL: 1 ppm 15 minute(s). Form: As Cl ₂ OSHA PEL 1989 (United States). TWA: 1 ppm 8 hour(s). Form: As Cl ₂ STEL: 3 ppm 15 minute(s). Form: As Cl ₂

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Skin contact. Eye contact. Ingestion.

Skin Corrosive to skin on contact. Skin contact may produce burns. The amount of tissue damage depends on length of contact.

Eyes Corrosive to eyes on contact. Causes eye burns. Direct contact with the eyes can cause irreversible damage including blindness.

Inhalation Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat and stomach.

HMIS	
Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	B

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects No specific information is available in our database regarding chronic toxic effects of this material for humans.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

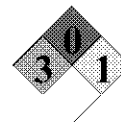
Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.

Flammability Not applicable.

Fire Hazard Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

Fire-Fighting Procedures Cool closed containers exposed to fire with water.

**Section 6. Accidental Release Measures**

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and place in an appropriate waste disposal container. Flush residual spill (area) with large amount of water.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not mix with other household chemicals.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store above 40°F and below 120°F. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Splash goggles.

Body Protective gloves should be worn during handling.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Protective Clothing (Pictograms)**Section 9. Physical and Chemical Properties**

Physical State Liquid. **Color** Clear. Colorless.

pH >13 [Basic.] **Odor** Faint Odor

Boiling Point 100°C (212°F) **Vapor Pressure** Not determined.

Specific Gravity 1.05 (Water = 1) **Vapor Density** Not determined.

Solubility Easily soluble in cold water, hot water. **Evaporation Rate** 1 compared to Water

VOC (Consumer) 0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Extremely reactive or incompatible with acids.
Reactive with organic materials, metals.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Toxicity to Animals **Potassium Hydroxide:**
ORAL (LD50): Acute: 365 mg/kg [Rat].

Sodium Hypochlorite:
ORAL (LD50): Acute: 8910 mg/kg [Rat].
DERMAL (LD50): Acute: >10000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: - (D002)
Classification: - (Hazardous waste.)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name None. Not regulated.

DOT Classification Not restricted per 49 CFR 172.101(c)(12)(iv).

UN number None assigned.

TDG Classification Not restricted per 49 CFR 172.101(c)(12)(iv)

Section 15. Regulatory Information**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: Potassium hydroxide; Sodium Hypochlorite

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

State Regulations

California prop. 65: No products were found.

WHMIS (Canada)

Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

Class E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.