



Vehicle Care Products



APOGEE

Hi pH Step 2 Touchless Presoak

Apogee is a specially designed presoak to be used in touchless conveyors with exceptionally fast acting performance during short exposure times. Can be used with all types of low pH Step 1 presoaks.

FEATURES & BENEFITS

- Neutralizes low pH presoaks
- Aids in road soil and road fil removal including wiper tracks
- Produces exceptionally shiny glass, paint and metal
- Contains enough alkalinity and detergency to eliminate the need for two products and dual injectors
- Designed for use in softened or low hardness city water
- Economical
- Reclaim compatible

APPLICATION

- For heavy duty cleaning with tough road film and high Step 1 concentrations
Dilute at 1:36 (tan) to 1:48 (green) 2.5 to 3.5 oz/gal
- For easier cleaning with reduced Step 1
Dilute at 1:64 (orange) to 1:90 (yellow) 1.5 to 2.0 oz/gal

NOTE: See reverse side for MSDS information and General Cautions for Use

Visit our website at www.vtlvehiclecare.com

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Apogee (EXT129)

Product Class: Water-based degreaser

Emergency Telephone Number: 800-535-5053 (INFOTRAC)

Telephone Number for Information: 763-509-7937

Manufacturer's Name and Address:

Ver-tech Labs
6801 Bleck Drive
Rockford, MN 55373

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)
A	Sodium hydroxide CAS #1310-73-2

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Amber liquid, mild odor.

Primary Hazards: Corrosive

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: Causes chemical burns.

Skin: May cause chemical burns.

Ingestion: Harmful if swallowed.

Inhalation: No hazardous vapors

Signs and Symptoms of Exposure: Irritation or chemical burns on direct contact.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ (s):

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic:

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. obtain medical attention immediately. **Skin Contact:** Flush thoroughly with cool water seek medical attention. Remove and wash contaminated clothing before reuse.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Ap.

Flash Point (method used): None

Flammable Limits: N. Ap. LEL UEL

Extinguishing Media: N. Ap.

Water?	Foam?	Water Fog?
Alcohol Foam?	CO ₂ ?	Dry Chemical?
Vaporizing Liquid?	Other?	

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: N. Av.

TDG Flammability Classification: Non-flammable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: Local Exhaust: Not required Special: Not required

Mechanical (General): Ventilate to keep vapor levels below PEL and TLV, listed in Section XI. **Other:** Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses.

Footwear: Chemical resistant

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F **pH:** 13

Specific Gravity (H₂O) = 1: 1.19 **% Volatile:**

Vapor Density (Air = 1): > 1 **Odor Threshold:** N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution**

Solubility in Water: Complete **Coefficient:** N. Av.

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: N. Ap.

Incompatibility (materials to avoid): N. Av.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: May occur:

Will not occur: X

Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	2 mg/M ³	2 mg/M ³	N. Av.	140-340 mg/kg	N. Av.

(rat, oral)

Teratogen, Mutagen, Reproductive Toxin Status: No known relevance to humans.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: D002, characteristic corrosive

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, basic inorganic, N.O.S. (Containing sodium hydroxide), Class 8

UN Number: 3266

Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 2-17-2011

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: Sodium Hydroxide 1000 lbs as % of mixture

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health.

Section 313 Toxic Chemicals:

SECTION XVII - OTHER INFORMATION

None

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

3 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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