



Vehicle Care Products



# CHALLENGER PRESOAK

**Challenger Presoak** is a low pH multifunctional acid detergent. This product is based on ammonium bifluoride, water conditioners, metal chelates, and special surfactants to produce an excellent wheel cleaner and low pH step one acid presoak for two step automatic and conveyor touchless washes.

## FEATURES & BENEFITS

- **Dissolves asbestos brake dust residue**
- **Aids in removal of windshield eyebrows**
- **Produces cleaner and brighter paint, metal and glass**
- **Excellent wheel cleaner and brightener for both manual and on-line applications**
- **Provides pleasant car wash bay aroma**

## DILUTION RATIOS

<b>Product Use</b>	<b>Recommended Application</b>
<b>Frictionless or Touchless Step One</b>	<b>1:64 to 1:128</b>
<b>On-line Conveyor Wheel Cleaning</b>	<b>1:8 to 1:17</b>
<b>Manual Wheel Cleaning</b>	<b>1:4 to 1:8</b>

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

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Challenger Presoak (EXT118)  
**Product Class:** Low pH Car Wash Presoak  
**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	Surfactant blend Proprietary blend
B	Ammonium Bifluoride CAS #1341-49-7

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Amber liquid, mild aroma.

**Primary Hazards:** Corrosive Toxic

### Potential Health Hazards

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

**Eye:** Causes severe chemical burns if contact occurs.

**Skin:** Causes severe chemical burns if contact occurs.

**Ingestion:** Harmful or fatal if swallowed.

**Inhalation:** Overexposure to vapors harmful.

**Signs and Symptoms of Exposure:** Irritation and/or burning sensation on contact can be delayed up to 24 hours.

**Carcinogenicity:** NTP? No IARC Monographs? No

OSHA Regulated? No

**Target Organ (s):** Bones, Blood Eyes Skin

**Medical Conditions Generally Aggravated by Exposure:** N. Av.

**Health Hazards, Chronic:** Fluoride poisoning.

## SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:** Treat for Fluoride Poisoning.

**If Swallowed:** Do not induce vomiting. Rinse mouth and 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 immediate medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove contaminated clothing and apply calcium gluconate gel. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed. **Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** N. Av. **Autoignition Temperature:** N. Av.

**Flash Point (method used):** N. Av.

**Flammable Limits:** N. Av. LEL UEL

### Extinguishing Media

Water?	Foam?	Water Fog?	X
Alcohol Foam?	X	CO <sub>2</sub> ?	X
Vaporizing Liquid?	X	Other?	

**Special Fire Fighting Procedures:** High heat will release acidic vapors.

**Unusual Fire and Explosion Hazards:** N. Av.

**TDG Flammability Classification:** N. Av.

**Sensitivity to Mechanical Impact:** 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. Do not store near heat or open flame.

**Other Precautions:** Keep out of reach of children. Do not breathe spray mist.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Not normally required.

**Ventilation:** Local Exhaust: Not required **Special:** Not required

**Mechanical (General):** Provide ventilation adequate to disperse cleaner vapors and or mists. **Other:** Not required

**Protective Gloves:** Synthetic.

**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Chemical resistant

**Other Protective Clothing or Equipment:** Chemical resistant

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

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Approximately 212°F **pH:** 2-4

**Specific Gravity (H<sub>2</sub>O) = 1:** 1-1.1

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

**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:** Mix only with water

**Incompatibility (materials to avoid):** Metals, Alkaline materials

**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	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
B	25mg/m3	25 mg/m3	N. Av.	1276ppm (1H rat)	342 ppm (3H mouse)

**Teratogen, Mutagen, Reproductive Toxin Status:** No

**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.

**RCRA Hazard Class:** D002 Corrosive

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Corrosive liquid, toxic, n.o.s., (ammonium bifluoride ), 8, (6.1)

**UN Number:** 2922

**Packing Group:** II

## SECTION XV - PREPARATION DATA

**Prepared By:** Health and Safety Department

**Telephone Number:** 763-509-7937

**Date:** 11-25-2008

## SECTION XVI - REGULATORY INFORMATION

**US Federal Regulations**

**TSCA Status:** All ingredients listed.

**CERCLA Reportable Quality:** N. Av.

**SARA Title III**

**Section 302 Extremely Hazardous Chemicals:** Hydrogen fluoride

**Section 311/312 Hazard Category:** Immediate health hazard

**Section 313 Toxic Chemicals:** Hydrogen Fluoride

**Notice State of California Proposition 65**

**Warning:** This product may contain chemicals or trace impurities in the standard raw materials used in the manufacture of this product that are known to the State of California to cause cancer or reproductive defects.

## SECTION XVII - OTHER INFORMATION

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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