



Vehicle Care Products



CHALLENGER PRESOAK

Our newest 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

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

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

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Extreme Challenger Presoak
Product Class: Low PH Car Wash Pre Soak
Emergency Telephone Number: 800-535-5053 (INFO TRAC)
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 ₂ ? X	Dry Chemical?	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 (H₂O) = 1: 1-1.1

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

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution Coefficient: N. Av.

Solubility in Water: Complete

Melting Point: N. Ap.

Vapor Pressure (MM HG): N. Av.

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 know 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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