



Vehicle Care Products



# BREAK AWAY CONCENTRATE

A liquid drying agent concentrate designed to bead water to enhance natural or air blower drying. **Break Away Concentrate** can be used in friction, frictionless automatics and self serve washes. Readily dilutable on-site to make 30 or 55 gallons of ready to use drying agent.

## FEATURES & BENEFITS

- **Rapid beading**
- **Fast stripping**
- **Shines as it dries**



## APPLICATION

Dilute: One Pail with 25 gallons of water for 30 gallons.  
Two Pails with 45 gallons of water for 55 gallons.

Further dilute these 1:5 blends with a hydrominder or other proportioner, or manually in a day tank at about 1:10 and apply at 2-4 ounces per car through spray arch, wand, or other delivery system. Final dilution should be in a titration range of 4-6 or a dilution of 0.8-1.1 oz gal of **Break Away Concentrate**.

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

Visit our website at [www.ver-techlabs.com](http://www.ver-techlabs.com)

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Break Away Concentrate (EXT149)  
**Product Class:** Drying Agent  
**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	2-butoxy ethanol CAS #111-76-2
B	Mineral Seal Oil CAS #64742-46-7

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Amber liquid, solvent odor.

**Primary Hazards:** Irritant

### Potential Health Hazards

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

**Eye:** May cause Irritation

**Skin:** May cause Irritation

**Ingestion:** May be harmful if swallowed.

**Inhalation:** Overexposure to 2-Butoxy ethanol (butyl) / Mineral Seal Oil vapors may cause central nervous system effects including drowsiness, headaches, nausea and dizziness.

**Signs and Symptoms of Exposure:** Irritation on direct contact.

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

**OSHA Regulated?** No

**Target Organ (s):** Liver, kidneys, lymphoid system, skin, blood, eyes and respiratory system.

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

**Health Hazards, Chronic:** Overexposure to 2-Butoxy ethanol (butyl) / Mineral Seal Oil may cause damage to one or more of the target organs listed above.

## 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. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. 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:** N. Av. **Autoignition Temperature:** N. Av.

**Flash Point (method used):** None

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

**Extinguishing Media:** N. Av.

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

**Special Fire Fighting Procedures:** N. Av.

**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:** 7-10

**Specific Gravity (H<sub>2</sub>O) = 1:** .9-1.

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

**Odor Threshold:** N. Av.

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

**Oil/Water Distribution**

**Solubility in Water:** Dispersible

**Coefficient:** N. Av.

**Vapor Pressure (MM HG):** N. Av.

**Melting Point:** N. Av.

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Unstable: Stable: X

**Conditions to Avoid:** N. Av.

**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. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	25 ppm (skin)	25 ppm (skin)	25 ppm	1.48 g/kg (rat, oral)	N. Av.
B	5mg/m3.	N. Av.	N. Av.	5000 mg/kg (rat,oral)	N. Av.

**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:**

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Cleaning Compound, n.o.s.

**UN Number:** N. Av.

**Packing Group:** N. Av.

## SECTION XV - PREPARATION DATA

**Prepared By:** Health and Safety Department

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

**Date:** 8-5-2008

## 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:** None

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

**Section 313 Toxic Chemicals:** 2-butoxy ethanol (glycol ether),

## SECTION XVII - OTHER INFORMATION

None

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

## NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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