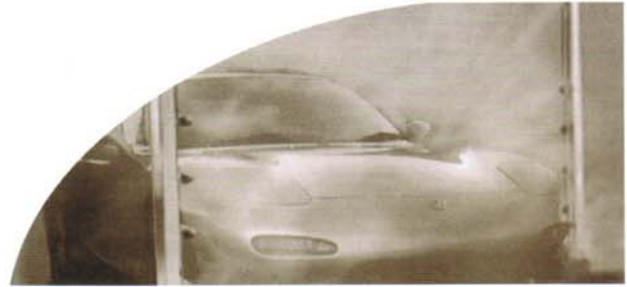




White Knight

White Knight is a clear, high foaming, alkaline liquid. It works well in a single step high pressure arch or as a second presoak in a two-step application. White Knight offers very good coverage and consistent cleaning ability.



Features and Benefits

- Fast acting on all soils to minimize time and labor costs
- Removes heavy road film, soot and oil to increase effectiveness of the cleaning process
- Superior results even at higher dilution levels
- Contains wetting agents, emulsifying and soil suspension ingredients and rinse aids
- Free rinsing; aids drying
- Phosphate free
- Biodegradable
- Reclaim friendly

Technical Information

Form — Liquid
 Color — Amber
 Odor — None
 Foam — High

Product Use	Recommended Application Ratio	Product Usage Per Vehicle in Ounces
Detail Gun	400:1 - 1000:1	
Presoak	75:1 - 200:1	.75 to 1.25

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

Product Information

Product Code
EXT 130



MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Extreme White Knight
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 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	2-butoxy ethanol CAS #111-76-2	1 - 5
B	Sodium xylene sulfonate CAS #1300-72-7	1 - 5
C	Sodium hydroxide CAS #1310-73-2	10 -20
D	Tetrasodium EDTA tetrahydrate CAS # 64-02-8	1 - 5
E	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Amber liquid, solvent 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: Overexposure to 2-Butoxy ethanol (butyl) 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): 2-butoxy ethanol ("butyl"): 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) 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: No **Autoignition Temperature:** N. Av.

Flash Point (method used): None

Flammable Limits: N. Av.

LEL

UEL

Extinguishing Media: N. Av.

Water?

Alcohol Foam?

Vaporizing Liquid?

Foam?

CO₂?

Other?

Water Fog?

Dry Chemical?

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: 13

Specific Gravity (H₂O) = 1: 1.11

% Volatile: > 75

Vapor Density (Air = 1): > 1

Odor Threshold: N. Av.

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

Oil/Water Distribution Coefficient: N. Av.

Solubility in Water: Complete

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	N. Av.	N. Av.	N. Av.	4,000 mg/kg (rat, oral)	N. Av.
C	2 mg/M ³	2 mg/M ³	N. Av.	140-340 mg/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	N. Av.	>2,000 mg/kg (rat, oral)	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	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: 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: 3-21-2005

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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