



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	Ver-tech Solutions & Service 6801 Bleck Drive Rockford, MN 55373 763-577-4050	Product Name:	Super Degreaser X
		Product Code:	VSS183
		Recommended Use:	Degreaser
		Revision Date:	4/15/2015

Chemical Emergency: Infotrac: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Corrosion/Irritation	Category I
Serious Eye Damage/Eye Irritation	Category I
Specific Target Organ Toxicity (Single Exposure)	Category I
Corrosive to Metals	Category I

Signal Word**DANGER!****Hazard Statements**

Causes severe skin burns and eye damage
Causes serious eye damage
Causes damage to organs
May be corrosive to metals

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do not eat, drink or smoke when using this product
Keep only in original container

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Remove all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up.
Store in a corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Potassium hydroxide	1310-58-3	0 - 5%
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	0 - 5%
2-butoxyethanol	111-76-2	5 - <10%

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

SECTION 4: FIRST-AID MEASURES**First Aid Measures**

- General Advice:** Keep out of reach of children. Use with care.
- Eye Contact:** Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.
- Skin Contact:** Wash off immediately with soap and water while removing all contaminated clothes and shoes.
- Ingestion:** If swallowed, call immediately for emergency medical assistance. DO NOT induce vomiting. Rinse mouth with water and drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Most Important Symptoms and Effects

- Symptoms:** Severe burns to eyes, skin, and respiratory tract.

Indication of any immediate medical attention and special treatment needed

- Note to Physician:** Product is a corrosive material. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**Flammable Properties**

- Flammability:** Not considered to be a fire hazard.
- Explosive Prop:** Not considered to be an explosion hazard.

Extinguishing Media

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** No information available.

Specific Hazards Arising from Chemical

- Hazards:** Thermal decomposition may lead to release of irritating vapors. In the event of fire and/or explosion do not breathe fumes.

Protective equipment and precautions for fire-fighters

- Fire-Fight Method:** In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

- Environ. Precautions:** Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

- Clean-Up Method:** Soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water. Prevent product from entering drains.

SECTION 7: HANDLING AND STORAGE

- Handling:** Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

- Storage:** Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

- Incomp. Materials:** Strong acids and bases; oxidizing agents; aluminum, tin, zinc.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines**

Hazardous Chemical	TLV - TWA	TLV - STEL
Potassium hydroxide	2 mg/m ³	No information available
Benzenesulfonic acid, C10-16-alkyl derivatives	No information available	No information available
2-butoxyethanol	50 ppm	20 ppm

Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment (PPE)

Eyes: Recommend tight sealing safety goggles or face protection shield.

Respiratory: Not usually necessary where ventilation is sufficient to maintain vapors under the TLV limit.

Skin: Avoid skin contact. Recommend chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State:	Liquid	Freezing Point:	Not determined
Appearance:	Red Liquid	Boiling Point:	Not determined
Color:	Red/pale red	Evaporation Rate:	Not determined
Odor:	Mild	Vapor Pressure:	Not determined
Odor Threshold:	No information available	Vapor Density:	Not determined
pH:	12.0 - 13.0	Relative Density:	Not determined
Flash Point:	Not determined	Flammability:	Not determined
Water Solubility:	Soluble in water	Explosive Limits:	Not determined
Viscosity:	Not determined	Part. Coefficient:	Not determined
Specific Gravity:	1.05	Auto-ignition Temp:	Not determined
Melting Point:	Not determined	Decomp. Temp:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Haz. Decomposition: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Haz. Polymerization: No information available.

Incompatibilities: Strong acids and bases; oxidizing agents; aluminum, tin, zinc.

Conditions to Avoid: Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Potassium hydroxide	214 mg/kg (rat)	No information available
Benzenesulfonic acid, C10-16-alkyl derivatives	No information available	No information available
2-butoxyethanol	1,300 mg/kg (rat)	> 2,000 mg/kg (rat)

Potential Health Effects

Exposure Routes: Eye Contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: Causes eye irritation with tearing, redness, and impaired vision.

Skin: Causes skin irritation, redness, and itching. May cause chemical burns.

Ingestion: Harmful if swallowed.

Inhalation: Respiratory irritant.

Chronic Effects: Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Potassium hydroxide	80 mg/L: 96 h <i>Gambusia affinis</i>	No information available
Benzenesulfonic acid, C10-16-alkyl derivatives	4105.6 mg/L (96 h: fish)	4.8 mg/L (48 h: <i>Daphnia</i>)
2-butoxyethanol	1,474 mg/l (96 h: <i>Oncorhynchus mykiss</i>)	1,550 mg/l (48 h: water flea)

Environmental Toxicity

Biodegradation: No information available.
Persistence: No information available.
Bioaccumulation: No information available.
Mobility: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.
Container: Drain contaminated container thoroughly. Triple rinse containers.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with all federal, state, and local regulations.

DOT

Proper Name: Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide)
Hazard Class: 8
UN Number: UN3266
Packing Group: II
Special Provisions: Based on package size, product may be eligible for limited quantity exception.

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.
CERCLA Reportable Quantity: Potassium Hydroxide: 1000 lbs.

Section 311/312 Hazard Category

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

Section 313 Toxic Chemicals None

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department
Contact Number: 763-577-4050
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Version: I

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End of Safety Data Sheet