SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Ver-tech Labs
6801 Bleck Drive
Rockford, MN 55373
1-877-866-9742

Product Name: A777 Plus
Product Code: A77120
Recommended Use: Metal Safe Degreaser
Revision Date: 1/25/2016

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Corrosion	Category 1
Serious Eye Damage	Category 1
Specific Target Organ Toxicity (Single Exposure) - Oral	Category 1

Signal Word
DANGER!

Hazard Statements
Causes severe skin burns and eye damage
Causes serious eye damage
Causes damage to organs

Precautionary Statements - Prevention
Do not breathe mists or vapors
Wash thoroughly after handling
Wear protective gloves and eye protection
Do not eat, drink or smoke when using this product

Precautionary Statements - Response
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Remove all contaminated clothing immediately. 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

Precautionary Statements - Storage
Store locked up

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 - 10%
Sodium Silicate	1344-09-8	0 - 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: Contains Potassium Hydroxide. Harmful or fatal if swallowed. Causes severe burns to eyes, skin, and respiratory tract. Wear protective clothing when handling this product. 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, may cause burning of the mouth, throat and stomach. Call immediately for medical assistance. DO NOT induce vomiting. Rinse mouth with water, then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air.

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 explosive hazard.

Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable: Adding water may generate large amounts of heat.

Specific Hazards Arising from Chemical

Hazards: The product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic 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. Prolonged exposure to alkali sensitive metals.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Hazardous Chemical	OSHA PEL	ACGIH TLV
Potassium Hydroxide	2 mg/m3	2 mg/m3
Sodium Silicate	Not Determined	Not Determined

Appropriate Engineering Controls

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

Personal Protection Equipment (PPE)

Eyes: Recommend safety goggles or 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:	Clear/Light Amber Liquid	**Boiling Point:**	Not determined
Color:	Colorless	**Evaporation Rate:**	Not determined
Odor:	Odorless	**Vapor Pressure:**	Not determined
Odor Threshold:	No information available	**Vapor Density:**	Not determined
pH:	14.0	**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 - 1.10	**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. Prolonged exposure to alkali sensitive metals.

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)	Not Determined
Sodium Silicate	1153 mg/kg (rat)	4640 mg/kg (rabbit)

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. Corrosive to mucous membranes, esophagus and stomach.

Inhalation: Respiratory irritant.

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

Carcinogenicity: Not listed as carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Potassium Hydroxide	80: 96 h Gambusia affinis mg/L	Not Determined
Sodium Silicate	301-478: 96 h Lepomis macrochirus mg/L	216: 96 h Daphnia magna mg/L

Environmental Toxicity

Biodegradation: No information available.

Persistence: This product is alkaline and may raise the pH of surface waters.

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. Do not reuse container.

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.

U.S. State Right-to-Know Regulations

Hazardous Chemical	California Proposition 65
None	

Section 311/312 Hazard Category

Acute Health Hazard:	1310-58-3 1344-09-8	Potassium Hydroxide Sodium Silicate	0 - 10% 0 - 10%
Chronic Health Hazard:	1310-58-3	Potassium Hydroxide	0 - 10%
Fire Hazard:	No		
Sudden Release of Pressure:	No		
Reactive Hazard:	1310-58-3	Potassium Hydroxide	0 - 10%
Section 313 Toxic Chemicals	No		

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department
Contact Number: 1-877-866-9742
Issue Date: 1/25/2016
Revision Date: 1/25/2016
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Version: 1
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End of Safety Data Sheet