



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:	Queen Bee
		Product Code:	VSS300
		Recommended Use:	All Purpose Cleaner
		Revision Date:	5/10/2017

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Irritant	Category 2
Serious Eye Damage	Category 1

Signal Word

DANGER!



Hazard Statements

Causes skin irritation
Causes serious eye damage

Precautionary Statements - Prevention

Wear eye protection and protective gloves
Wash thoroughly after handling

Precautionary Statements - Response

IF ON SKIN: Gently wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Precautionary Statements - Storage

Precautionary Statements - Disposal

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Disodium Metasilicate	6834-92-0	0-5%
Potassium Hydroxide	1310-58-3	0-5%
Proprietary Blend	Trade Secret	0-20%

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:	Harmful or fatal if swallowed. Wear eye protection 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, 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.

Most Important Symptoms and Effects

Symptoms: Skin irritation. Eye damage.

Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically.

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

Flammability: Not considered to be a fire hazard.
Explosive Prop: No information available.

Extinguishing Media

Suitable: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Unsuitable: Water may be ineffective.

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. Reducing agents.

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

Hazardous Chemical	OSHA PEL	ACGIH TLV
Disodium Metasilicate	3ppm	No information available
Potassium Hydroxide	2ppm	2ppm
Proprietary Blend	No information available	No information available

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: Orange Liquid	Boiling Point: Not determined
Color: Orange/yellow	Evaporation Rate: Not determined
Odor: Fresh Citrus	Vapor Pressure: Not determined

Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	10 - 11	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:	1.00-1.10	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. Reducing agents.
Conditions to Avoid:	Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Disodium Metasilicate	600 mg/kg (rat)	No information available
Potassium Hydroxide	214 mg/kg (rat)	No information available
Proprietary Blend	No information available	No information available

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 classifiable as a human carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Disodium Metasilicate	No information available	No information available
Potassium Hydroxide	80: 96 h Gambusia affinis mg/L	No information available
Proprietary Blend	No information available	No information available

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. (Contains Potassium Hydroxide)
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Hazard Class: 8
UN Number: 3266
Packing Group: III
Special Provisions: 173.154 Exceptions for Class 8 (corrosive materials). (b) Limited quantities (2) For corrosive materials in Packing Group III, inner packagings not over 1.3 gallons net capacity each for liquids or not over 11 lbs. net capacity each for solids, packed in a strong outer packaging. 173.154 (b)(2).

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: None

Section 311/312 Hazard Category

Acute Health Hazard:	No		
Chronic Health Hazard:	No		
Fire Hazard:	No		
Sudden Release of Pressure:	No		
Reactive Hazard:	No		
Section 313 Toxic Chemicals	No		

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 763-577-4050

Issue Date: 5/10/2017

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Revision Note: SDS generated for product

Version: 1

Disclaimer: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. Ver-tech Solutions & Service cannot anticipate all conditions under which this information and its product may be used. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet