



## SAFETY DATA SHEET

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b>Manufacturer:</b>	Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 1-877-866-9742	<b>Product Name:</b>	Vault Graphene
		<b>Product Code:</b>	VT-9000
		<b>Recommended Use:</b>	Graphene Protectant
		<b>Revision Date:</b>	11/21/2023

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

**SECTION 2: HAZARDS IDENTIFICATION****GHS Hazard Classification**

Flammable Liquid	Category 4
Skin Irritant	Category 2
Serious Eye Damage	Category 1
Aspiration Hazard	Category 1

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

May be fatal if swallowed and enters airways  
Combustible Liquid  
Causes serious eye damage  
Causes skin irritation

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces – No smoking  
Wear protective gloves and eye protection  
Wash thoroughly after handling

**Precautionary Statements - Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
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  
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 in a well ventilated place. Keep cool  
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 %
Distillates (petroleum), hydrotreated middle	64742-46-7	10 - 20%
Quaternary ammonium compounds	61789-77-3	5 - 10%
Alkylamine ethoxylate	68155-39-5	1 - 5%
2-butoxyethanol	111-76-2	1 - 10%
Proprietary blend	NA	5 - 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:** 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:** Severe burns to eyes, skin, and respiratory tract.

**Indication of any immediate medical attention and special treatment needed**

- Note to Physician:** Treat symptomatically.

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

- Flammability:** Considered to be a fire hazard.
- Explosive Prop:** No information available.

**Extinguishing Media**

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific Hazards Arising from Chemical**

- Hazards:** The product causes burns of eyes, skin and mucous membranes. 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.

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

Hazardous Chemical	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated middle	No information available	No information available
Quaternary ammonium compounds	No information available	No information available
Alkylamine ethoxylate	No information available	No information available

2-butoxyethanol	No information available	No information available
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**

<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	Not determined
<b>Appearance:</b>	Purple Liquid	<b>Boiling Point:</b>	Not determined
<b>Color:</b>	Purple	<b>Evaporation Rate:</b>	Not determined
<b>Odor:</b>	Tropical Fruits	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	No information available	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	Neutral	<b>Relative Density:</b>	Not determined
<b>Flash Point:</b>	> 148° F, component data	<b>Flammability:</b>	Not determined
<b>Water Solubility:</b>	Not determined	<b>Explosive Limits:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>Part. Coefficient:</b>	Not determined
<b>Specific Gravity:</b>	0.95	<b>Auto-ignition Temp:</b>	Not determined
<b>Melting Point:</b>	Not determined	<b>Decomp. Temp:</b>	Not determined

**SECTION 10: STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Haz. Decomposition:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Haz. Polymerization:</b>	No information available.
<b>Incompatibilities:</b>	Strong acids and bases, strong oxidizing agents.
<b>Conditions to Avoid:</b>	Heat, flames, sparks and incompatibles.

**SECTION 11: TOXICOLOGY INFORMATION****Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Distillates (petroleum), hydrotreated middle	No information available	No information available
Quaternary ammonium compounds	No information available	No information available
Alkylamine ethoxylate	No information available	No information available
2-butoxyethanol	1,300 mg/kg (rat)	> 2,000 mg/kg (rat)
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
Distillates (petroleum), hydrotreated middle	No information available	No information available
Quaternary ammonium compounds	No information available	No information available
Alkylamine ethoxylate	No information available	No information available
2-butoxyethanol	1,474 mg/l (96 h: <i>Oncorhynchus mykiss</i> )	1,550 mg/l (48 h: water flea)
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. Do not reuse container.

**SECTION 14: TRANSPORT INFORMATION**

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

**DOT:** Not regulated as a dangerous good.

**Special Provisions:** 173.150 Exceptions for Class 3 (flammable and combustible liquids). (f) Combustible liquids. (1) A flammable liquid with a flash point at or above 100° F that does not meet the definition of any other hazard class may be reclassified as a combustible liquid 173.150 (f)(1).

**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:** Not Applicable

**Section 311/312 Hazard Category**

<b>Acute Health Hazard:</b>	61789-77-3	Quat Ammonium Compound	5 - 10%
	68155-39-5	Alkylamine ethoxylate	1 - 5%
	111-76-2	2-butoxyethanol	1 - 10%
<b>Chronic Health Hazard:</b>	No		
<b>Fire Hazard:</b>	61789-77-3	Quat Ammonium Compound	5 - 10%
	111-76-2	2-butoxyethanol	1 - 10%
<b>Sudden Release of Pressure:</b>	No		
<b>Reactive Hazard:</b>	No		
<b>Section 313 Toxic Chemicals</b>	111-76-2	2-butoxyethanol	1 - 10%

**SECTION 16: OTHER INFORMATION**

**Prepared by:** Health and Safety Department

**Contact Number:** 1-877-866-9742

**Issue Date:** 11/21/2023

**Revision Date:** 11/21/2023

**Revision Note:** New 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 Labs 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.

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End of Safety Data Sheet