



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	Ver-tech Labs	Product Name:	Evolution
	6801 Bleck Drive	Product Code:	EXT155
	Rockford, MN 55373	Recommended Use:	Drying Agent
	1-877-866-9742	Revision Date:	7/7/2015

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 skin irritation
 Causes serious eye damage

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
 Take off contaminated clothing and wash before reuse
 If skin irritation occurs: Get medical advice/attention
 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	0 - 5%
2-butoxyethanol	111-76-2	0 - 5%

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 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.

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

50 ppm

20 ppm

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:	Amber Liquid	Boiling Point:	Not determined
Color:	Amber	Evaporation Rate:	Not determined
Odor:	Solvent-like	Vapor Pressure:	Not determined
Odor Threshold:	No information available	Vapor Density:	Not determined
pH:	Neutral	Relative Density:	Not determined
Flash Point:	148° F, closed cup	Flammability:	Not determined
Water Solubility:	Not determined	Explosive Limits:	Not determined
Viscosity:	Not determined	Part. Coefficient:	Not determined
Specific Gravity:	0.96	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, strong oxidizing agents.
Conditions to Avoid:	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)

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: Oncorhynchus mykiss)	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. 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

Acute Health Hazard:	61789-77-3	Quat Ammonium Compounds	5 - 10%
	68155-39-5	Alkylamine ethoxylate	0 - 5%
	111-76-2	2-butoxyethanol	0 - 5%
Chronic Health Hazard:	No		
Fire Hazard:	61789-77-3	Quat Ammonium Compounds	5 - 10%
	111-76-2	2-butoxyethanol	0 - 5%
Sudden Release of Pressure:	No		
Reactive Hazard:	No		
Section 313 Toxic Chemicals	111-76-2	2-butoxyethanol	0 - 5%

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 1-877-866-9742

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Revision Note: Received updated raw material information

Version: III

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.

End of Safety Data Sheet