

**1. Identification**

**Product identifier**                      **Attack!® 2000 (No Odor)**

**Other means of identification**

**Product code**                      0302813                      **Sold as Item #S-8338**

**Recommended use**                      Solvent

**Recommended restrictions**              None known.

**Manufacturer information**              Quest Safety Products Inc.  
1414 S. West Street, Suite #200  
Indianapolis, IN 46225  
United States  
Information (800) 878-4872  
**Emergency** (317) 781-4400

**2. Hazard(s) identification**

**Physical hazards**                      Not classified.

**Health hazards**                      Acute toxicity, oral                      Category 4  
Skin corrosion/irritation                      Category 2  
Serious eye damage/eye irritation              Category 2A  
Specific target organ toxicity, single exposure      Category 3 narcotic effects

**Environmental hazards**                      Not classified.

**OSHA defined hazards**                      Not classified.

**Label elements**



**Signal word**                      Warning

**Hazard statement**

    H302                      Harmful if swallowed.  
    H315                      Causes skin irritation.  
    H319                      Causes serious eye irritation.  
    H336                      May cause drowsiness or dizziness.

**Precautionary statement**

**Prevention**

    P262                      Avoid eyes contact.  
    P262                      Avoid prolonged skin contact.  
    P261                      Avoid breathing mist or vapor.  
    P264                      Wash thoroughly after handling.  
    P270                      Do not eat, drink or smoke when using this product.  
    P271                      Use only outdoors or in a well-ventilated area.  
    P280                      Wear eye protection/face protection.  
    P280                      Wear protective gloves.

**Response**

    P301 + P310                      If swallowed: call a poison center or a doctor.  
    P330                      Rinse mouth.  
    P331                      Do NOT induce vomiting.  
    P302 + P350                      If on skin: Wash with plenty of water.  
    P332 + P313                      If skin irritation occurs: Get medical advice/attention.  
    P362                      Take off contaminated clothing and wash before reuse.  
    P304 + P340                      If inhaled: Remove person to fresh air and keep comfortable for breathing

P312 Call a poison center/doctor if you feel unwell.  
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

#### Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

#### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Petroleum Distillates, Hydrotreated Light		64742-47-8	70-90
2-(2-Butoxyethoxy) Ethanol		112-34-5	10-30
Non-hazardous components.			0.1-10

### 4. First-aid measures

#### Inhalation

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.

#### Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

#### Ingestion

Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

#### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

Cool containers exposed to heat with water spray and remove container, if no risk is involved.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards

Combustible. No unusual fire or explosion hazards noted.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

## Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)	TWA	100 mg/m3

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

##### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge.

### General hygiene considerations

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Clear.

### Physical state

Liquid.

### Form

Liquid.

### Color

Colorless.

### Odor

Typical Solvent.

### pH

Not available.

<b>Melting point/freezing point</b>	Not determined
<b>Initial boiling point and boiling range</b>	429.8 °F (221 °C) estimated
<b>Flash point</b>	204.8 °F (96.0 °C) Lowest Flashing component
<b>Evaporation rate</b>	< 1 (BuAc = 1)
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.6 % estimated
<b>Flammability limit - upper (%)</b>	24.6 % estimated
<b>Vapor pressure</b>	0.14 hPa @ 20 Deg. C (1 hPa = 0.75006 mmHg)
<b>Vapor density</b>	> 1 (Air = 1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Emulsifiable.
<b>Auto-ignition temperature</b>	Not determined
<b>Other information</b>	
<b>Pounds per gallon</b>	6.966 lb/gal
<b>Specific gravity</b>	0.836
<b>Relative density</b>	95 % (approx)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport
<b>Chemical stability</b>	Material is stable under normal conditions. Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Suitable precautions should be utilized if using this product at temperatures above the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. Narcotic effects.

Components	Species	Test Results
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)		
<b>Acute Dermal</b>		
LD50	Rabbit	2700 mg/kg

Components	Species	Test Results
<b>Oral</b>		
LD50	Guinea pig	2000 mg/kg
	Mouse	2400 mg/kg
	Rabbit	2200 mg/kg
	Rat	4500 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects

**Specific target organ toxicity - single exposure** May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)		
<b>Aquatic</b>		
Fish	LC50	Bluegill (Lepomis macrochirus)
		1300 mg/l, 96 hours
Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)
		2.9 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

2-(2-Butoxyethoxy) Ethanol 0.5, Estimated.  
1

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT NON-BULK #61 @? . .**  
Not DOT regulated material.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### **CERCLA Hazardous Substance List (40 CFR 302.4)**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) Listed.

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

#### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### **SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312** Yes

#### **Hazardous chemical**

#### **SARA 313 (TRI reporting)**

<b>Chemical name</b>	<b>CAS number</b>	<b>% by wt.</b>
2-(2-Butoxyethoxy) Ethanol	112-34-5	10-30

#### **Other federal regulations**

##### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

##### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### **US state regulations**

##### **US - New Jersey RTK - Substances: Listed substance**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

##### **US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

##### **US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)  
Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)

##### **US. Massachusetts RTK - Substance List**

Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)

##### **US. New Jersey Worker and Community Right-to-Know Act**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)  
Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)

**US. Pennsylvania RTK - Hazardous Substances**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)  
 Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)

**US. Pennsylvania Worker and Community Right-to-Know Law**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)  
 Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8)

**US. Rhode Island RTK**

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 11-13-2014

**Revision date** 09-27-2016

**Version #** 02

**Disclaimer** Superior Oil Company, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This information is based on data available to us and is accurate and reliable to the best of our knowledge at the time of printing. However, no warranty is expressed or implied regarding the accuracy or completeness of the information contained herein. Final determination of the suitability of this material for the use contemplated is the sole responsibility of the user. Buyer assumes all risk and liabilities. Buyer accepts and uses this material on these conditions.

**Revision information** ..... This document has undergone significant changes and should be reviewed in its entirety.