


## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Energy Products TRUK Glass Cleaner  
 PRODUCT USE: Glass Cleaner  
 MANUFACTURED FOR: Energy Products Inc.  
 1551 East Lincoln Avenue  
 Suite 101  
 Madison Heights, MI 48071-4159  
 INFORMATION PHONE: 248-545-7700  
 EMERGENCY PHONE: INFOTRAC  
 1-800-535-5053 USA & Canada  
 352-323-3500 International

## SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Eye Damage: Category 2A

PICTOGRAMS: 

GHS ELEMENTS:

SIGNAL WORD: Warning

HAZARD STATEMENT(S): H319 | Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S):  
 P264 | Wash any exposed body parts thoroughly after handling.  
 P280 | Wear protective gloves/protective clothing/eye protection/face protection.  
 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.

ADDITIONAL PRECAUTIONS: None Known

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT      | CAS #         | FUNCTIONAL PURPOSE | PERCENT |
|---------------------------|---------------|--------------------|---------|
| 2-Butoxyethanol           | 111-76-2      | Solvent            | 1 - 5%  |
| 2-Propanol                | 67-63-0       | Solvent            | 1 - 5%  |
| Acetone                   | 67-64-1       | Solvent            | < 1.0%  |
| Alkyl Olefin Sulfonate    | 68439-57-6    | Surfactant         | < 1.0%  |
| Nonylphenol ethoxylate    | 127087-87-0   | Surfactant         | < 1.0%  |
| Acid Violet 54            | Not Available | Colorant           | < 1.0%  |
| Chloromethylisothiazolone | 55965-84-9    | Preservative       | < 1.0%  |



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The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

### SECTION 4 - FIRST AID MEASURES

|             |   |
|-------------|---|
| EYES:       | Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.                  |
| SKIN:       | Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.   |
| INHALATION: | Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately. |
| INGESTION:  | Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.                      |
| GENERAL:    | Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.  |

See Section 11 for exposure symptoms.

### SECTION 5 - FIRE FIGHTING MEASURES

|                         |   |
|-------------------------|---|
| FLAMMABILITY:           | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| EXTINGUISHING MEDIA:    | Use an extinguishing agent suitable for the surrounding fire.   |
| PROTECTIVE EQUIPMENT:   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode. |
| ADDITIONAL INFORMATION: | Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.   |

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

|                       |  |
|-----------------------|--|
| PERSONAL PRECAUTIONS: | No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment. |
| ENVIRONMENTAL:        | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.  |
| CONTAINMENT/CLEANUP:  | Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal. |

### SECTION 7 - HANDLING AND STORAGE



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**SAFE HANDLING:** Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

**SAFE STORAGE:** Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.

**EYE PROTECTION:** Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**RESPIRATORY PROTECTION:** Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

**HAND PROTECTION:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

| COMPONENT:                | ACGIH TWA ppm | OSHA/NIOSH STEL ppm | OSHA/ACGIH STEL mg/m3 |
|---------------------------|---------------|---------------------|-----------------------|
| 2-Butoxyethanol           | 20.00         | None                | None                  |
| 2-Propanol                | 200.00        | 400.00              | None                  |
| Acetone                   | 500.00        | None                | 750.00                |
| Alkyl Olefin Sulfonate    | None          | None                | None                  |
| Nonylphenol ethoxylate    | 10.00         | None                | None                  |
| Acid Violet 54            | None          | None                | None                  |
| Chloromethylisothiazolone | None          | None                | None                  |

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                        |             |                                |                  |
|------------------------|-------------|--------------------------------|------------------|
| <b>PHYSICAL STATE:</b> | Liquid      | <b>UPPER EXPLOSIVE LIMITS:</b> | NA               |
| <b>COLOR:</b>          | Red         | <b>LOWER EXPLOSIVE LIMITS:</b> | NA               |
| <b>ODOR:</b>           | Solvent     | <b>VAPOR PRESSURE:</b>         | NA               |
| <b>ODOR THRESHOLD:</b> | NA          | <b>VAPOR DENSITY:</b>          | NA               |
| <b>PH:</b>             | 10.1 - 11.4 | <b>RELATIVE DENSITY:</b>       | NA               |
| <b>MELTING POINT:</b>  | NA          | <b>SOLUBILITY:</b>             | Completely Water |



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|                   |              |                            |          |
|-------------------|--------------|----------------------------|----------|
| FREEZING POINT:   | 28.00 F      | PARTITION COEFFICIENT:     | NA       |
| BOILING POINT:    | NA           | AUTO-IGNITION TEMPERATURE: | NA       |
| FLASH PT METHOD:  | NA           | DECOMPOSITION TEMPERATURE: | NA       |
| FLASH POINT:      | NA           | SPECIFIC GRAVITY:          | 0.99500  |
| EVAPORATION RATE: | NA           | % VOLATILE:                | 10.00000 |
| FLAMMABILITY:     | Nonflammable | VISCOSITY (cst):           | NA       |

Soluble

### SECTION 10 - STABILITY AND REACTIVITY

|                                     |   |
|-------------------------------------|---|
| REACTIVITY:                         | HAZARDOUS DECOMPOSITION PRODUCTS                          |
| CHEMICAL STABILITY:                 | Stable under normal conditions.                           |
| POSSIBILITY OF HAZARDOUS REACTIONS: | Non-reactive.   |
| CONDITIONS TO AVOID:                | Excessive heat or open flame.                             |
| INCOMPATIBLE MATERIALS:             | Avoid contact with acidic materials and strong oxidizers. |
| HAZARDOUS DECOMPOSITION PRODUCTS:   | Under normal conditions, none are known.                  |

### SECTION 11 - TOXICOLOGICAL INFORMATION

|                  |            |            |           |
|------------------|------------|------------|-----------|
| ROUTES OF ENTRY: | Inhalation | Absorption | Ingestion |
|------------------|------------|------------|-----------|

#### ACUTE EXPOSURE HAZARDS:

|              |  |
|--------------|--|
| EYE CONTACT: | Irritation, stinging, redness, burns.      |
| DERMAL:      | Irritation, burns upon prolonged exposure. |
| ORAL:        | Nausea, vomiting.                          |
| INHALATION:  | No expected route of entry. Irritation.    |

2-Butoxyethanol (CAS No. 111-76-2)  
 Oral LD50: Rat 470 mg/kg

2-Propanol (CAS No. 67-63-0)  
 Oral LD50: Rat 5045 mg/kg

Acetone (CAS No. 67-64-1)  
 Oral LD50: 5800 mg/kg rat  
 Dermal LD50: 7426 mg/kg  
 Inhalation LC50: 76 mg/L rat



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Alkyl Olefin Sulfonate (CAS No. 68439-57-6)  
Oral LD50: Rat >2000 mg/kg  
Dermal LD50: Rabbit >2000 mg/kg

Nonylphenol ethoxylate (CAS No. 127087-87-0)  
Oral LD50: Rat 1600 mg/kg

Chloromethylisothiazolone (CAS No. 55965-84-9)  
Oral LD50: 66mg/kg rabbit  
Dermal LD50: 141mg/kg rat

## SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.  
PERSISTENCE & DEGRADABILITY: No data available.  
BIOACCUMULATIVE POTENTIAL: No data available.  
MOBILITY IN SOIL: No data available.  
OTHER ADVERSE EFFECTS: No data available.

2-Butoxyethanol (CAS No. 111-76-2)  
Fish LC50: 1250mg/L, 96h, Inland Solverside  
Crustacean LC50: Daphnia 1818 mg/L 24h  
2-Propanol (CAS No. 67-63-0)  
Fish LC50: Minnow 9640 mg/L 96h  
Acetone (CAS No. 67-64-1)  
Fish LC50: 6100 mg/L rainbow trout  
Alkyl Olefin Sulfonate (CAS No. 68439-57-6)  
Fish LC50: Fish 2.5-5 mg/L, 96 hrs  
Crustacean LC50: Daphnia 4.48 mg/L, 48 hrs  
Algae EC50: Algae 45 mg/L, 72 hrs  
Chloromethylisothiazolone (CAS No. 55965-84-9)  
Fish LC50: 0.22mg/L 96h trout  
Crustacean LC50: 6.76mg/L 48h daphnia

## SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

## SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER:

NA



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SHIPPING NAME: NA  
 TECHNICAL NAME: NA  
 HAZARD CLASS: NA  
 PACKAGING GROUP: NA

### SECTION 15 - REGULATORY INFORMATION

| SARA 313 COMPONENTS            | CAS NO.     | % LESS THAN |
|--------------------------------|-------------|-------------|
| 2-Butoxyethanol                | 111-76-2    | 1 - 5%      |
| 2-Propanol                     | 67-63-0     | 1 - 5%      |
| CALIFORNIA PROP. 65 COMPONENTS | CAS NO.     | % LESS THAN |
| 2-Butoxyethanol                | 111-76-2    | 1 - 5%      |
| Nonylphenol ethoxylate         | 127087-87-0 | < 1.0%      |

This product can expose you to Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm..

RTK: PA, NJ, MA

127087-87-0 Nonylphenol polyethylene glycol ether 90 - 100 %

25322-68-3 Polyethylene glycol 1 - 5 %

123-91-1 1,4-Dioxane 0 - 0.1 %

64-19-7 Acetic acid 0 - 0.1 %

75-21-8 Ethylene oxide 0 - 0.1 %

RTK: MA, PA, NJ,

WARNING! This product contains a chemical known to the State of California to cause cancer birth defects or other reproductive harm.

123-91-1 1,4-Dioxane 0 - 0.1 %

64-19-7 Acetic acid 0 - 0.1 %

75-21-8 Ethylene oxide 0 - 0.1 %

### SECTION 16 - OTHER INFORMATION

#### HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

|                     |   |
|---------------------|---|
| Health Hazard       | 1 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | A |

- A Safety Glasses
- B Safety Glasses, Gloves
- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

Flammability



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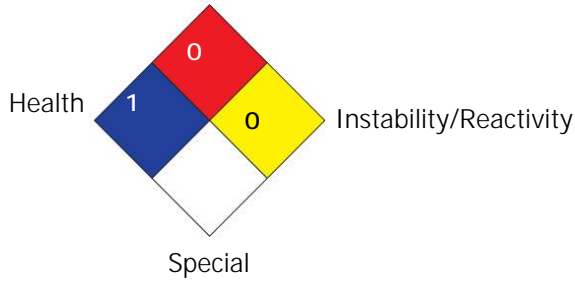
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NATIONAL FIRE PROTECTION  
ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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