



Fuel Power

SDS Revision Date : 05/10/2024

Signs and Symptoms

- Sign and symptoms skin** : Toxic in contact with skin. May be absorbed through the skin, producing symptoms similar to ingestion or inhalation. Causes skin irritation. Symptoms include: Dryness, itching, cracking, burning, redness and swelling.
- Sign and symptoms eyes** : Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

- : Prolonged or repeated contact may cause drying, cracking and defatting of the skin. Chronic overexposure to 2-butoxyethanol may cause liver, kidney and blood damage. Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

Mutagenicity

- : Not expected to be mutagenic in humans.

Carcinogenicity

- : Not expected to have carcinogenic effects.

Reproductive effects & Teratogenicity

- : This product is not expected to cause reproductive or developmental effects.

Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

- : The substance or mixture is not classified as specific target organ toxicant, single exposure.
- : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure

- : Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials

- : Not available.

Toxicological data

- : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

| <u>Chemical name</u> | <u>LC₅₀(4hr)</u> <u>inh, rat</u> | <u>LD₅₀</u> | |
|----------------------|--|------------------------|-------------------------|
| | | <u>(Oral, rat)</u> | <u>(Rabbit, dermal)</u> |
| Glycol ether | 450 ppm (2.175 mg/L) | 530 mg/kg | 400 - 500 mg/kg |

Other important toxicological hazards

- : None known or reported by the manufacturer.

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Ecotoxicity

- : No data is available on the product itself. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

| <u>Ingredients</u> | <u>CAS #</u> | <u>Toxicity to Fish</u> | | |
|--------------------|--------------|--------------------------------|-----------------------|-----------------|
| | | <u>LC₅₀ / 96h</u> | <u>NOEC / 21 day</u> | <u>M Factor</u> |
| Glycol ether | Proprietary | 1490mg/L (Lepomis macrochrius) | >100mg/L (Zebra fish) | none |



Fuel Power

SDS Revision Date: 05/10/2024

Page 8 of 11

SAFETY DATA SHEET

| <u>Ingredients</u> | CAS # | Toxicity to Daphnia | | |
|--------------------|-------------|--------------------------|-------------------------|----------|
| | | EC50 / 48h | NOEC / 21 day | M Factor |
| Glycol Ether | Proprietary | 835 mg/L (Daphnia magna) | 100mg/L (Daphnia magna) | none |

| <u>Ingredients</u> | CAS # | Toxicity to Algae | | |
|--------------------|-------------|----------------------------|-----------------------|----------|
| | | EC50 / 96h or 72h | NOEC / 96h or 72h | M Factor |
| Glycol Ether | Proprietary | 911mg/L/72hr (Green algae) | 286mg/L (Green algae) | none |

Persistence and degradability

: The following ingredients are considered to be readily biodegradable: Ethylene glycol monobutyl ether

Bioaccumulation potential

: No data is available on the product itself. See the following data for ingredient information.

| <u>Components</u> | <u>Partition coefficient n-octanol/water (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|-------------------|--|--------------------------------------|
| Glycol Ether | 0.81 at 25 °C | 0.97 |

Mobility in soil

: No data is available on the product itself.

Other Adverse Environmental effects

: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal

: Dispose in accordance with all applicable regulations.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.




Fuel Power

SDS Revision Date : 05/10/2024

Page 9 of 11

SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|---|--|----------------------------|---------------|---|
| 49CFR/DOT | NA1993 | Combustible liquid, n.o.s. (Ethylene glycol monobutyl ether) | Combustible. | III |  |
| 49CFR/DOT Additional information | Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each). The 'label' appearing here is the placard to be used for bulk shipments. | | | | |
| TDG | None | Not regulated. | Not regulated | none | none |
| TDG Additional information | None. | | | | |
| ICAO/IATA | None. | Not regulated. | not regulated | none | none |
| ICAO/IATA Additional information | None. | | | | |
| IMDG | None. | Not regulated. | not regulated | none | none |
| IMDG Additional information | None. | | | | |

Special precautions for user : Keep away from heat and open flames. - No smoking.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

| Ingredients | CAS # | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical | |
|--------------|-------------|----------------|--|--|---|--------------------------|
| | | | | | Toxic Chemical | de Minimis Concentration |
| Glycol ether | Proprietary | Yes | N/Ap | N/Ap | No | No |

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Acute toxicity; Skin irritation ;Eye irritation.



Fuel Power

SDS Revision Date : 05/10/2024

Page 10 of 11

SAFETY DATA SHEET

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

| <u>Ingredients</u> | CAS # | California Proposition 65 | | State "Right to Know" Lists | | | | | |
|--------------------|-------------|---------------------------|------------------|-----------------------------|-----|-----|-----|-----|-----|
| | | Listed | Type of Toxicity | CA | MA | MN | NJ | PA | RI |
| Glycol ether | Proprietary | No | Not listed | Yes | Yes | Yes | Yes | Yes | Yes |

Canadian Information:

All ingredients are present on the DSL. Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

| <u>Ingredients</u> | CAS # | European EINECs | Australia AICS | Philippines PICCS | Japan ENCS | Korea KECI/KECL | China IECSC | NewZealand IOC |
|--------------------|-------------|-----------------|----------------|-------------------|------------|-----------------|-------------|----------------|
| Glycol Ether | Proprietary | Proprietary | Present | Present | Present | Present | Present | Present |

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CNS: Central Nervous System
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EC50: Effective Concentration 50%
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer
- IMDG: International Maritime Dangerous Goods
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- N/Ap: Not Applicable
- N/Av: Not Available
- NIOSH: National Institute of Occupational Safety and Health
- NOEC: No observable effect concentration
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act



Fuel Power

SDS Revision Date (mm/dd/yyyy): 05/10/2024

Page 11 of 11

SAFETY DATA SHEET

STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average

Preparation Date

Reviewed Date SDS : 2024

DISCLAIMER

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