

# Fuel Right® 15K

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

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Version: 1.5

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Fuel Right® 15K  
Product code : 15K

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fuel additives

#### 1.3. Supplier

##### Manufacturer

Fairville Products Inc (dba Fuel Right)  
41 Germay Drive  
Wilmington, DE, 19804 - USA  
T 302-425-4400  
[info@fuelright.com](mailto:info@fuelright.com)

##### Distributor

Fuel Right (Canada) Limited  
P.O. Box 157  
Komoka, ON N0L 1R0 - Canada  
T 519-473-9406  
[Info@fuelright.ca](mailto:Info@fuelright.ca)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Flam. Liq. 4  
Skin Irrit. 2  
Eye Dam. 1

#### 2.2. GHS Label elements, including precautionary statements

##### GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

Combustible liquid  
Causes skin irritation.  
Causes serious eye damage.

Precautionary statements (GHS) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wash hands, forearms and face thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
If skin irritation occurs: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center or doctor.  
Store in a well-ventilated place. Keep cool.

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Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Dipropylene glycol monomethyl ether	Dipropylene glycol monomethyl ether Dipropylene glycol monomethyl ether / (2-Methoxymethylethoxy)propanol / Propanol, (2-methoxymethylethoxy)- / Dipropylene glycol methyl ether / DPGME / PPG-2 METHYL ETHER / Methoxypropoxypropanol / (2-Methoxymethylethoxy)propanol, mixed isomers / Monomethyl ether of dipropylene glycol / 1(or 2)-[2-Methoxy(methyl)ethoxy]propanol / PPG-2 methyl ether / (2-Methoxymethylethoxy) propanol	CAS-No.: 34590-94-8	30 - 60
Cyclic Amino Compound	Cyclic Amino Compound	Trade Secret	10 – 30
Aliphatic Diamine	Aliphatic Diamine	Trade Secret	5 – 10
Petroleum distillates, hydrotreated light	Petroleum distillates, hydrotreated light Hydrotreated light distillate / Kerosene, hydrotreated / Petroleum distillates, hydrotreated light (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9-16 and boiling in the range of approximately 150-290°C.) / Odorless light petroleum hydrocarbons / Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, / Kerosene / c13-14 isoparaffin / Destillate (Erdöl), mit Wasserstoff behandelt leichte (C9-14 Aliphaten) / Light Aliphatic Hydrocarbon / Odourless light petroleum hydrocarbons / Distillates (petroleum), hydro- treated light; Kerosine - unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (302°F to 554°F).] / Distillates, petroleum, hydrotreated light / Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	5 - 10

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\*The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold. Refer to Section 15 for additional information regarding this CBI claim.

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### 4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water fog. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: None known.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon. May release flammable gases.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to cool exposed surfaces.
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### SECTION 6: Accidental release measures

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

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Use only non-sparking tools. Remove ignition sources.
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### 6.1.1. For non-emergency personnel

No additional information available

### 6.1.2. For emergency responders

No additional information available

## 6.2. Environmental precautions

Prevent entry to sewers and public waters.

## 6.3. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation. Spilled material may present a slipping hazard.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store away from direct sunlight or other heat sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Fuel Right® 15K	
No additional information available	
Dipropylene glycol monomethyl ether (34590-94-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH OEL TWA	50 ppm (Dipropylene glycol methyl ether)
Remark (ACGIH)	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m <sup>3</sup>

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<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
OSHA PEL TWA	100 ppm
Limit value category (OSHA)	prevent or reduce skin absorption
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH	600 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL TWA	600 mg/m <sup>3</sup>
NIOSH REL TWA	100 ppm
NIOSH REL STEL	900 mg/m <sup>3</sup>
NIOSH REL STEL	150 ppm
US-NIOSH chemical category	Potential for dermal absorption
<b>Cyclo Amino Compound (Trade Secret)</b>	
No additional information available	
<b>Aliphatic Diamine (Trade Secret)</b>	
No additional information available	
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
No additional information available	

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
Wear suitable gloves resistant to chemical penetration
<b>Eye protection:</b>
Wear eye protection
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Amber
Odour	: Amines, fish oil
Odour threshold	: No data available
pH	: 10 (10% in H <sub>2</sub> O)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 86°C / 187°F (ASTM D6450)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability	: Combustible liquid.
Vapour pressure	: No data available
Relative vapour density at 20°C / 68 °F	: No data available
Relative density	: 0.93 (@ 20 °C / 68 °F)
Solubility	: Partially soluble in water
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 34.8 cP @ 25 °C / 77 °F
Explosive limits	: 37 mm <sup>2</sup> /s @ 25 °C / 77 °F
Explosive properties	: No data available
Oxidising properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Heat. Open flame. Sparks. Direct sunlight. Sources of ignition. Incompatible materials.

#### 10.5. Incompatible materials

Oxidizers.

#### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
LD50 oral rat	5.35 g/kg (Source: NLM_HSDB)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CA (oral)	5350 mg/kg bodyweight
ATE CA (Dermal)	9510 mg/kg bodyweight

<b>Aliphatic Diamine (Trade Secret)</b>	
ATE CA (oral)	500 mg/kg bodyweight

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 oral rat	> 5000 mg/kg (Source: IUCLID)
LD50 dermal rabbit	> 2000 mg/kg (Source: NLM_CIP)
LC50 inhalation rat	> 5.2 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.  
pH: 10 (10% in H<sub>2</sub>O)  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 10 (10% in H<sub>2</sub>O)  
Respiratory or skin sensitisation : Not classified.  
Germ cell mutagenicity : Not classified.  
Carcinogenicity : Not classified.  
Reproductive toxicity : Not classified.

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014.
NOAEL (dermal, rat/rabbit, 90 days)	2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female
NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard : Not classified.

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Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Dipropylene glycol monomethyl ether (34590-94-8)	
LC50 - Fish [1]	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: IUCLID)
LC50 - Fish [2]	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)

### 12.2. Persistence and degradability

#### Fuel Right® 15K

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### Fuel Right® 15K

Bioaccumulative potential	Not established.
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#### Dipropylene glycol monomethyl ether (34590-94-8)

Partition coefficient n-octanol/water	0.35 (at 25 °C (at pH 7)
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#### Petroleum distillates, hydrotreated light (64742-47-8)

BCF - Fish [1]	61 – 159
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other adverse effects	: No additional information available.
Other information	: No other effects known.



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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

In accordance with DOT / TDG

#### 14.1. UN number

DOT NA No : NA1993  
UN-No. (TDG) : Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Dipropylene glycol monomethyl ether)  
Proper Shipping Name (TDG) : Not applicable

#### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Combustible liquid

**TDG**  
Transport hazard class(es) (TDG) : Not applicable

#### 14.4. Packing group

Packing group (DOT) : III  
Packing group (TDG) : Not applicable

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1 Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

Canada WHMIS Confidential Business Information (CBI): HMIRA registry number: 3624478. The date of filing is 2024-07-18.

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### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Revision date : 08/02/2024  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Full text of H-statements	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 4	Flammable liquids, Category 4
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Indication of changes:
HMIRA

SDS HazCom 2012 - WHMIS 2015 (Nexreg) 2023

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