



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Gunk Engine Degreaser Heavy Duty Gel (WERCS)

**Other means of identification**

**SDS number** EBGEL (WERCS)

**Part No.** EBGEL, EBGEL/6

**Tariff code** 3814.00.5090

**Recommended use** Degreaser

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** Blumenthal Brands Integrated, LLC

**Address** 600 Radiator Road  
Indian Trail, NC 28079

**Telephone** Customer Service/ (704) 821-7643  
Technical

**Website** www.solvewithB.com

**E-mail** sds@solvewithB.com

**Emergency phone number** INFOTRAC (United States) (800) 535-5053

INFOTRAC (International) (352) 323-3500

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols	Category 2
	Gases under pressure	Compressed gas
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	

**Label elements**



**Signal word** Danger

**Hazard statement** Flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

**Precautionary statement****Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal**

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

**Hazard(s) not otherwise classified (HNOC)**

Combustible.

**Supplemental information**

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

### 3. Composition/information on ingredients

**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
ISOPARAFFINIC PETROLEUM DISTILLATE		64742-47-8	70 - < 80
C9-15 Heavy Aromatic Hydrocarbons		64742-94-5	5 - < 10
Poly(oxyethylene) Sorbitol Hexaoleate		57171-56-9	3 - < 5
Carbon Dioxide		124-38-9	1 - < 3
D-(+)-limonene		5989-27-5	1 - < 3
Tert-butylbenzene		98-06-6	1 - < 3
Tripropylene Glycol Monomethyl Ether		25498-49-1	1 - < 3
Water		7732-18-5	1 - < 3
1,2,3,5-tetramethylbenzene		527-53-7	< 1
1,4-diethylbenzene		105-05-5	< 1
Naphthalene		91-20-3	< 1
1,2,3-Trimethylbenzene		526-73-8	< 0.3
1,2,4-Trimethylbenzene		95-63-6	< 0.3
3-propyltoluene		1074-43-7	< 0.3
1h-indene, 2,3-dihydro-		496-11-7	< 0.2
Benzene, 1,3-diethyl-		141-93-5	< 0.2
Diethylbenzene		25340-17-4	< 0.2
Propylene Glycol		57-55-6	< 0.2
Quartz [silica Crystalline]		14808-60-7	< 0.2
Crystalline Silica		15468-32-3	< 0.1
Cumene		98-82-8	< 0.1
Silica - Crystalline, Cristobalite		14464-46-1	< 0.1

#### 4. First-aid measures

<b>Inhalation</b>	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.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Not likely, due to the form of the product. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Aspiration may cause pulmonary edema and pneumonitis. 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. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Combustible.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p>Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.</p>

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect containers from physical damage; do not drag, roll, slide, or drop. When moving containers, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport containers. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. 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. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5)	PEL	400 mg/m3	
		100 ppm	
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
Crystalline Silica (CAS 15468-32-3)	PEL	0.05 mg/m3	Respirable dust.
Cumene (CAS 98-82-8)	PEL	245 mg/m3	
		50 ppm	
ISOPARAFFINIC PETROLEUM DISTILLATE (CAS 64742-47-8)	PEL	400 mg/m3	
		100 ppm	
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3	
		10 ppm	
Quartz [silica Crystalline] (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	PEL	0.05 mg/m3	Respirable dust.

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
Crystalline Silica (CAS 15468-32-3)	TWA	0.05 mg/m3	Respirable.
		1.2 mppcf	Respirable.
Quartz [silica Crystalline] (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	TWA	0.05 mg/m3	Respirable.
		1.2 mppcf	Respirable.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
1,2,3-Trimethylbenzene (CAS 526-73-8)	TWA	25 ppm	
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Cumene (CAS 98-82-8)	TWA	50 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Quartz [silica Crystalline] (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.

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

Components	Type	Value	Form
1,2,3-Trimethylbenzene (CAS 526-73-8)	TWA	125 mg/m3	
		25 ppm	
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Crystalline Silica (CAS 15468-32-3)	TWA	0.05 mg/m3	Respirable dust.
Cumene (CAS 98-82-8)	TWA	245 mg/m3	
		50 ppm	
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3	
		15 ppm	
	TWA	50 mg/m3	
		10 ppm	
Quartz [silica Crystalline] (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.

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

Components	Type	Value	Form
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	TWA	0.05 mg/m3	Respirable dust.

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value	Form
1,4-diethylbenzene (CAS 105-05-5)	TWA	5 ppm	
Benzene, 1,3-diethyl- (CAS 141-93-5)	TWA	5 ppm	
D-(+)-limonene (CAS 5989-27-5)	TWA	165.5 mg/m3	
		30 ppm	
Diethylbenzene (CAS 25340-17-4)	TWA	5 ppm	
Propylene Glycol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****US - California OELs: Skin designation**

Cumene (CAS 98-82-8) Can be absorbed through the skin.  
Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Cumene (CAS 98-82-8) Skin designation applies.

**US - Tennessee OELs: Skin designation**

Cumene (CAS 98-82-8) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5) Can be absorbed through the skin.  
Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Cumene (CAS 98-82-8) Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Cumene (CAS 98-82-8) Can be absorbed through the skin.

**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. Provide eyewash station and safety shower.

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

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

**Other**

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

**Respiratory protection**

Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties**

<b>Appearance</b>	Dark grey liquid slurry
<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol. Compressed gas.

<b>Color</b>	Dark grey
<b>Odor</b>	Petroleum
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	440.6 °F (227 °C) estimated
<b>Flash point</b>	190.0 °F (87.8 °C) Tag Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.7 % estimated
<b>Flammability limit - upper (%)</b>	5 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	12.14457 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Emulsifies
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	40 cP
<b>Viscosity temperature</b>	77 °F (25 °C)
<b>Other information</b>	
<b>Density</b>	7.68 lbs/gal
<b>Explosive properties</b>	Not explosive.
<b>Flame extension</b>	None
<b>Flammability (flash back)</b>	No
<b>Flammability class</b>	Combustible IIIA estimated
<b>Heat of combustion (NFPA 30B)</b>	35.4 kJ/g
<b>Oxidizing properties</b>	Not oxidizing.
<b>Percent volatile</b>	2.02 % estimated
<b>Specific gravity</b>	0.91
<b>VOC</b>	< 10 % w/w

## 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.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding 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. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

### Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. 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. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components	Species	Test Results
1,2,3-Trimethylbenzene (CAS 526-73-8)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	8970 mg/kg
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Oral</b>		
LD50	Rat	6 g/kg
C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	< 5.8 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	< 5000 mg/kg > 25 ml/kg
Cumene (CAS 98-82-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg, 24 Hours
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Mouse	10 mg/l, 7 Hours
<b>Oral</b>		
LD50	Rat	2260 mg/kg
D-(+)-limonene (CAS 5989-27-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	5 g/kg
<b>Oral</b>		
LD50	Mouse	5600 - 6600 mg/kg



Components	Species	Test Results
Naphthalene (CAS 91-20-3)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 2 g/kg
<b>Oral</b>		
LD50	Rat	490 mg/kg
Propylene Glycol (CAS 57-55-6)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	22000 mg/kg
Silica - Crystalline, Cristobalite (CAS 14464-46-1)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	> 22500 mg/kg
Tripropylene Glycol Monomethyl Ether (CAS 25498-49-1)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	15440 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	3400 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Suspected of causing cancer.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Crystalline Silica (CAS 15468-32-3)	1 Carcinogenic to humans.	
Cumene (CAS 98-82-8)	2B Possibly carcinogenic to humans.	
D-(+)-limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.	
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.	
Quartz [silica Crystalline] (CAS 14808-60-7)	1 Carcinogenic to humans.	
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	1 Carcinogenic to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Crystalline Silica (CAS 15468-32-3)	Cancer	
Quartz [silica Crystalline] (CAS 14808-60-7)	Cancer	
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	Cancer	
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Crystalline Silica (CAS 15468-32-3)	Known To Be Human Carcinogen.	
Cumene (CAS 98-82-8)	Reasonably Anticipated to be a Human Carcinogen.	
Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.	
Quartz [silica Crystalline] (CAS 14808-60-7)	Known To Be Human Carcinogen.	
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	Known To Be Human Carcinogen.	
	Reasonably Anticipated to be a Human Carcinogen.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.	

<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours
1h-indene, 2,3-dihydro- (CAS 496-11-7)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	14 mg/l, 96 hours
Benzene, 1,3-diethyl- (CAS 141-93-5)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	4.05 - 4.25 mg/l, 96 hours
C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/l, 96 hours
			8.8 mg/l, 96 hours
Cumene (CAS 98-82-8)			
<b>Aquatic</b>			
Crustacea	EC50	Brine shrimp (Artemia sp.)	3.55 - 11.29 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.7 mg/l, 96 hours
D-(+)-limonene (CAS 5989-27-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	69.6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours
ISOPARAFFINIC PETROLEUM DISTILLATE (CAS 64742-47-8)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours
Naphthalene (CAS 91-20-3)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/l, 96 hours
Propylene Glycol (CAS 57-55-6)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	710 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

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

1,4-diethylbenzene	4.45
Benzene, 1,3-diethyl-	4.44
Cumene	3.66

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

D-(+)-limonene	4.232
Naphthalene	3.3
Propylene Glycol	-0.92
Tert-butylbenzene	4.11

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

**13. Disposal considerations**

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<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. Do not re-use empty containers.

**14. Transport information****DOT**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, (each not exceeding 1 L capacity), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

**IATA**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, MARINE POLLUTANT (Petroleum Distillates), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	2
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not available.

**Environmental hazards****Marine pollutant**

Yes

**EmS**

F-D, S-U

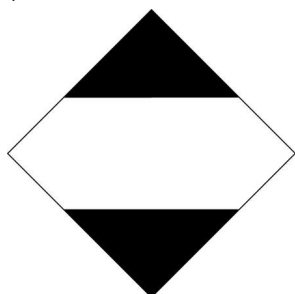
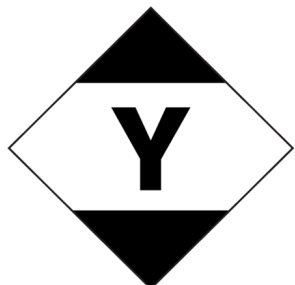
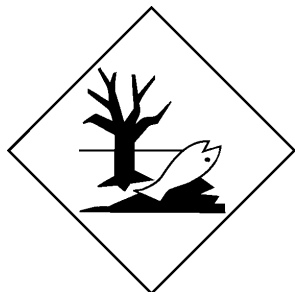
**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

Petroleum Distillates

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

Not established.

**DOT; IMDG****IATA****Marine pollutant****General information**

IMDG Regulated Marine Pollutant. Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

**15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

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

Cumene (CAS 98-82-8)

Listed.

Naphthalene (CAS 91-20-3)

Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Crystalline Silica (CAS 15468-32-3)	Cancer
Quartz [silica Crystalline] (CAS 14808-60-7)	Cancer
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	Cancer
Crystalline Silica (CAS 15468-32-3)	lung effects
Quartz [silica Crystalline] (CAS 14808-60-7)	lung effects
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	lung effects
Crystalline Silica (CAS 15468-32-3)	immune system effects
Quartz [silica Crystalline] (CAS 14808-60-7)	immune system effects
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	immune system effects
Crystalline Silica (CAS 15468-32-3)	kidney effects
Quartz [silica Crystalline] (CAS 14808-60-7)	kidney effects
Silica - Crystalline, Cristobalite (CAS 14464-46-1)	kidney effects

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

<b>Classified hazard categories</b>	Flammable (gases, aerosols, liquids, or solids) Gas under pressure Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard
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**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Naphthalene	91-20-3	< 1

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Cumene (CAS 98-82-8)  
Naphthalene (CAS 91-20-3)

**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****California Proposition 65**

**WARNING:** This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Crystalline Silica (CAS 15468-32-3)	Listed: October 1, 1988
Cumene (CAS 98-82-8)	Listed: April 6, 2010
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002
Quartz [silica Crystalline] (CAS 14808-60-7)	Listed: October 1, 1988

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

1,2,3-Trimethylbenzene (CAS 526-73-8)  
1,2,4-Trimethylbenzene (CAS 95-63-6)  
Cumene (CAS 98-82-8)  
Naphthalene (CAS 91-20-3)  
Quartz [silica Crystalline] (CAS 14808-60-7)  
Silica - Crystalline, Cristobalite (CAS 14464-46-1)  
Tert-butylbenzene (CAS 98-06-6)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

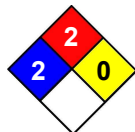
\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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

<b>Issue date</b>	04-08-2020
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 3* Flammability: 2 Physical hazard: 0
<b>NFPA ratings</b>	Health: 2 Flammability: 2 Instability: 0

### NFPA ratings



### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.