

SAFETY DATA SHEET



Revision: 10/10/2025

MidContinental Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Power + Premium Diesel with Liquid Guardian

Company Name: MidContinental Chemical Company, Inc.
1802 East 123rd Terrace
Olathe, Kansas 66061-5876 USA

Phone Number: (913) 390-5556

Web Site Address: www.mcchemical.com

Emergency Contact: CHEMTREC

24 Hour Emergency Number: (800) 424-9300

Recommended Use: Fuel additive

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture: Flammable Liquids: Category 4
Skin Corrosion/Irritation: Category 2
Skin Sensitization: Category 1A
Serious Eye Damage/Eye Irritation: Category 2A
Acute Toxicity (Inhalation): Category 4
Carcinogenicity: Category 2
Reproductive Toxicity: Category 2
Aquatic Toxicity (Acute): Category 1
Aquatic Toxicity (Chronic): Category 1

Label Elements:

Signal Word:

Warning

Pictogram:



GHS Hazard Phrases:

H227: Combustible liquid.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H351: Suspected of causing cancer.
H360: May damage fertility or the unborn child.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

GHS Precaution Phrases

P203: Obtain, read, and follow all safety instructions before use.
P210: Keep away from heat, hot surface, sparks, open flames, and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 + 265: Wash hands and exposed skin thoroughly after handling. Do not touch eyes.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing must not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P302 + 352: IF ON SKIN: Wash with plenty of water or shower.
P304 + 340 + 317: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help.

P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.
 P318: If exposed or concerned, get medical advice.
 P321: For specific treatment, see Section 4 of this SDS.
 P332 + 317: If skin irritation occurs: Get medical help.
 P337 + 317: If eye irritation persists: Get medical help.
 P362 + 364: Take off contaminated clothing and wash it before reuse.
 P370 + 378: In case of fire: Use water spray, dry powder, foam, and carbon dioxide to extinguish.
 P391: Collect spillage.

GHS Storage and Disposal Phrases:

P403: Store in a well-ventilated place.
 P405: Store locked up.
 P501: Dispose of contents and container in accordance with local, regional, national, and international regulations.

3. COMPOSITION / INFORMATION / INGREDIENTS

CAS Number	Hazardous Components (Chemical Name)	Concentration*
27247-96-7	2-Ethylhexyl nitrate	60 - 80 %
64742-94-5	Solvent Naphtha, Heavy Aromatic	3 - 7 %
104-76-7	2-Ethylhexanol	1 - 5 %
95-63-6	1,2,4-Trimethylbenzene	1 - 5 %
Trade Secret	Proprietary ester	0.5 - 2 %
25054-76-6	Long-chain alkenyl amido alkyl ammonio acetate	0.5 - 1.5 %
128-39-2	2,6-Di-tert-butylphenol	0.5 - 1.5 %
91-20-3	Naphthalene	0.1 - 1 %
29385-43-1	methyl-1H-benzotriazole	0.1 - 1 %
64742-95-6	Solvent Naphtha, Light Aromatic	0.1 - 1 %
98-82-8	Cumene	< 0.5 %
108-67-8	1,3,5-Trimethylbenzene	< 0.3 %
112-57-2	Tetraethylenepentamine	< 0.2 %
109-28-4	Amino long chain alkyl amide	< 0.2 %

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

4. FIRST AID MEASURES

In Case of Inhalation: Move person to fresh air and keep comfortable for breathing. Call a poison center or a doctor immediately.

In Case of Skin Contact: Wash skin with plenty of water. Take off contaminated clothing. Seek medical attention if irritation develops and persists.

In Case of Eye Contact: Rinse eyes with water for 15 minutes. Remove contacts if present and easy to do. Continue rinsing. Seek medical attention if irritation develops and persists.

In Case of Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if you feel unwell.

Most Important Symptoms and Effects, Both Acute and Delayed: No additional information available.

Immediate Medical Attention and Special Treatment, If Necessary: Treat symptomatically.

5. FIREFIGHTING MEASURES

Flash Point: 169 °F (76.1 °C)

Explosive Limits: Not determined

Autoignition Point: Not determined

Suitable Extinguishing Media: Water spray, dry powder, foam, and carbon dioxide.

Unsuitable Extinguishing: No additional information available.

Media:**Specific Hazards Arising from the Chemical:** Combustible liquid.**Hazardous Thermal Decomposition Products:** Toxic fumes may be released.**Special Protective Equipment and Precautions for Firefighters:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus (SCBA) and protective clothing should be worn.**6. ACCIDENTAL RELEASE MEASURES****Protective Precautions, Protective Equipment and Emergency Procedures:** Wear suitable protective clothing and equipment. Keep unauthorized and unprotected personnel away from and upwind of spill or leak.**Steps to be Taken in Case Material is Released or Spilled:** Stop leak if safe to do so. Collect spillage with a non-combustible, absorbent material and dispose in properly sealed and labeled containers. Dispose in accordance with local regulations.**Environmental Precautions:** Do not allow runoff to contaminate ponds, waterways or sewers. Contact local authorities if excessive amounts have been spilled.**7. HANDLING AND STORAGE****Precautions to be Taken in Handling:** Keep away from heat, hot surfaces, sparks, open flames and other sources of ignitions. Do not get into eyes, on skin or on clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors or spray.**Precautions to be Taken in Storing:** Store in a well-ventilated area. Keep cool.**Advice on General Occupational Hygiene:** Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands and face after handling this product.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

CAS No.	Ingredient	Source	Value
27247-96-7	2-Ethylhexyl nitrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-94-5	Solvent Naphtha, Heavy Aromatic	OSHA	No Established Limit
		ACGIH	TWA: 200 mg/m ³
		NIOSH	No Established Limit
104-76-7	2-Ethylhexanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
95-63-6	1,2,4-Trimethylbenzene	OSHA	TWA: 25 ppm (125 mg/m ³)
		ACGIH	TWA: 10 ppm
		NIOSH	TWA: 25 ppm (125 mg/m ³)
Trade Secret	Proprietary ester	OSHA	TWA: 5 mg/m ³
		ACGIH	TWA: 5 mg/m ³ STEL: 10 mg/m ³
		NIOSH	10 mg/m ³
25054-76-6	Long-chain alkenyl amido alkyl ammonio acetate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
128-39-2	2,6-di-tert-butylphenol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
91-20-3	Naphthalene	OSHA	TWA: 10 ppm (50 mg/m ³) STEL: 15 ppm (75 mg/m ³)
		ACGIH	TWA: 10 ppm (52 mg/m ³)
		NIOSH	TWA: 10 ppm (50 mg/m ³) STEL: 15 ppm (75 mg/m ³)

29385-43-1	methyl-1H-benzotriazole	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-95-6	Solvent Naphtha, Light Aromatic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
98-82-8	Cumene	OSHA	TWA: 50 ppm (245 mg/m ³)
		ACGIH	TWA: 5 ppm
		NIOSH	TWA: 50 ppm (245 mg/m ³)
108-67-8	1,3,5-Trimethylbenzene	OSHA	TWA: 25 ppm (125 mg/m ³)
		ACGIH	TWA: 25 ppm (123 mg/m ³)
		NIOSH	TWA: 25 ppm (125 mg/m ³)
112-57-2	Tetraethylenepentamine	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
109-28-4	Amoni long chain alkyl amide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Respiratory Protection (Specify Type):	In case of inadequate ventilation, wear a NIOSH certified respirator with organic vapor cartridge.
Eye/Face Protection:	Safety glasses with side shields or chemical goggles.
Skin Protection:	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Engineering Controls (Ventilation etc.):	Ensure good ventilation of the workstation. Use general and local exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Appearance:	Clear, medium amber
Odor:	Not determined
Odor Threshold:	Not determined
Melting Point:	Not determined
Boiling Point:	Not determined
Autoignition Point:	Not determined
Flash Point:	169 °F (76.1 °C)
Explosive Limits:	Not determined
Upper / Lower Flammability:	
Lower Flammability Limit:	Not determined
Upper Flammability Limit:	Not determined
Specific Gravity (Water = 1):	0.951
Vapor Pressure (vs. Air or mm Hg):	Not determined
Vapor Density (vs. Air = 1):	Not determined
Relative Density:	0.949 g/mL (7.92 lbs/gal)
Evaporation Rate:	Not determined
Solubility in Water:	Not determined
pH:	Not determined
Percent Volatile:	Not determined
Partition Coefficient (n-octanol / water):	Not determined
Decomposition Temperature:	Not determined
Viscosity @ 40 °C (104 °F):	2.33 cSt

10. STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Stability:	Stable under normal conditions.

Possibility of Hazardous Reactions:	No dangerous reactions known under normal conditions of use.
Conditions to Avoid:	Avoid contact with hot surfaces, heat, flames and sparks. Eliminate all sources of ignition.
Incompatibility - Materials to Avoid:	No additional information available.
Hazardous Decomposition or Byproducts:	Under normal conditions of use and storage, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Harmful if inhaled. Product has not been tested. Statement is based on data available for the individual components.

Ingredient/CAS No.	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2-Ethylhexyl nitrate - (27247-96-7)	> 9,600.00, Rat - Category: NA	>1,100.00, Rabbit - Category: 4	>4.60, Rat - Category: 4	1.50, Rat - Category: 4	4,500.00, Rat - Category: 4

*Only components contributing to Acute Toxicity are listed. See Section 2 of this SDS for a complete list of components.

Skin Corrosion / Irritation:	Causes skin irritation. Product has not been tested. Statement is based on data available for the individual components.
Serious Eye Damage / Eye Irritation:	Causes serious eye irritation. Product has not been tested. Statement is based on data available for the individual components.
Respiratory / Skin Sensitization:	May cause an allergic skin reaction. Product has not been tested. Statement is based on data available for the individual components.
Germ Cell Mutagenicity:	Not classified based on available data. Product has not been tested. Statement is based on data available for the individual components.
Carcinogenicity:	Suspected of causing cancer. Product has not been tested. Statement is based on data available for the individual components.

CAS No.	Ingredient	Source	Value
91-20-3	Naphthalene	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: Yes;
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
		ACGIH	A3
98-82-8	Cumene	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

*Only components contributing to Carcinogenicity are listed. See Section 2 of this SDS for a complete list of components.

Reproductive Toxicity:	Not classified based on available data. Product has not been tested. Statement is based on data available for the individual components.
STOT - Single Exposure:	Not classified based on available data. Product has not been tested. Statement is based on data available for the individual components.
STOT - Repeated Exposure:	Not classified based on available data. Product has not been tested. Statement is based on data available for the individual components.
Aspiration Hazard:	Not classified based on available data. Product has not been tested. Statement is based on data available for the individual components.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic life. Very toxic to aquatic life with long-lasting effects. Product has not been tested. Statement is based on data available for the individual components.

Acute Aquatic Toxicity:

Ingredient (CAS No.)	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
2-Ethylhexyl nitrate - (27247-96-7)	1.88, Danio rerio	0.83, Daphnia magna	1000.00 (72 hr), Pseudokirchneriella subcapitata
Solvent Naphtha, Heavy Aromatic - (64742-94-5)	2.50, Oncorhynchus mykiss	1.10, Daphnia magna	1.30 (72 hr), Pseudokirchneriella

			subcapitata
2,6-Di-tert-butylphenol - (128-39-2)	1.40, Pimephales promelas	0.45, Daphnia magna	1.20 (96 hr), Pseudokirchneriella subcapitata
Naphthalene - (91-20-3)	1.60, Oncorhynchus mykiss	1.96, Daphnia magna	0.40 (72 hr), Skeletonema costatum
Solvent Naphtha, Light Aromatic - (64742-95-6)	9.20, Oncorhynchus mykiss	3.20, Daphnia magna	2.90 (72 hr), Selenastrum capricornutum
Cumene - (98-82-8)	2.70, Oncorhynchus mykiss	4.00, Daphnia magna	2.60 (72 hr), Selenastrum capricornutum
1,3,5-Trimethylbenzene - (108-67-8)	12.52, Carassius auratus	6.00, Daphnia magna	25.00 (48 hr), Pseudokirchneriella subcapitata

*Only components contributing to Ecotoxicity are listed. See Section 2 of this SDS for a complete list of components.

Chronic Aquatic Toxicity:

Ingredient (CAS No.)	NOEC fish, mg/l	NOEC crustacea, mg/l	NOEC algae, mg/l
2-Ethylhexyl nitrate - (27247-96-7)	No data available	No data available	0.46 - 0.84 (3 d)
Solvent Naphtha, Heavy Aromatic - (64742-94-5)	5.60 (4 d)	0.81 - 0.89 (21 d)	0.12 - 7.84 (4 d)
2,6-Di-tert-butylphenol - (128-39-2)	0.30 (14 d)	0.35 (21 d)	0.64 - 2.10 (4 d)
Naphthalene - (91-20-3)	0.12 - 0.37 (40 d)	0.59 (4.167 months)	No data available
Solvent Naphtha, Light Aromatic - (64742-95-6)	2.60 (21 d)	2.60 - 16.00 (21 d)	0.50 (3 d)
Cumene - (98-82-8)	0.38 (28 d)	0.35 (21 d)	0.73 - 1.49 (3 d)
1,3,5-Trimethylbenzene - (108-67-8)	No data available	0.40 - 2.00 (21 d)	No data available

*Only components contributing to Ecotoxicity are listed. See Section 2 of this SDS for a complete list of components.

Persistence and

No data available.

Degradability:

Bioaccumulative Potential:

Component (CAS No.)	Log Pow	BCF (L/kg ww)	Biodegradability
2-Ethylhexyl nitrate - (27247-96-7)	5.24	1248	High
Solvent Naphtha, Heavy Aromatic - (64742-94-5)	2.73 - 6.5	150.1	Low
2,6-Di-tert-butylphenol - (128-39-2)	4.5	660	High
Naphthalene - (91-20-3)	3.7	168	Low
Solvent Naphtha, Light Aromatic - (64742-95-6)	--	--	--
Cumene - (98-82-8)	3.55	35.5	Low

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of contents and container in accordance with a licensed collector's sorting instructions.

14. TRANSPORT INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO / IATA
UN Number	NA1993	UN3082	UN3082
UN Proper Shipping Name	Combustible Liquid, N.O.S. (Contains Solvent Naphtha)	Environmentally Hazardous Substance, Liquid, N.O.S. (Contains 2-Ethylhexyl nitrate)	Environmentally Hazardous Substance, Liquid, N.O.S. (Contains 2-Ethylhexyl nitrate)
Transport Hazard Class(es)	DOT Hazard Class: Combustible Liquid	IMDG: 9	Air Class: 9
Packing Group	III	III	III
Marine Pollutant	Yes; 2-Ethylhexyl nitrate	Yes	Yes

* This material is not regulated for US DOT transportation in quantities less than 119 gallons per 49 CFR 173.150 (f)(1). Does not apply to transportation by vessel or aircraft.

**Per 49 CFR 171.4(c)(1) - Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants does not apply to non-bulk packaging (<119 gallons) by motor car, rail, or aircraft.

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, Subpart D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4):
Cumene (CAS 98-82-8) Listed.

SARA 304 Emergency Release Notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated

Toxic Substances Control Act (TSCA): All components of the mixture on the TSCA 8(b) inventory are designated "active".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance: Not listed.

SARA 311/312: See Section 2 of this SDS for GHS hazard classifications associated with this product.

SARA 313 (TRI Reporting):

Component	CAS number	% by weight
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Naphthalene	91-20-3	0.1 - 1

Other Federal Regulations

Clean Air Act (CAA) Section 112(b) Hazardous Air Pollutants (HAPs List):
Naphthalene (CAS 91-20-3)
Cumene (CAS 98-82-8)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) 307: Naphthalene (CAS 91-20-3)

Clean Water Act (CWA) 311: Naphthalene (CAS 91-20-3)

Safe Drinking Water Act (SDWA): Not regulated.



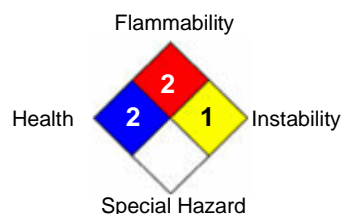
Proposition 65 Label Warning

WARNING: This product can expose you to chemicals including Naphthalene and Cumene, which are known to the State of California to cause cancer. This product can expose you to chemicals including methyl-1H-benzotriazole, that are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

Revision Date: 10/10/2025 - Initial Release
Previous Revisions: Not applicable

Hazard Rating System:



Company Policy or The information on this SDS is based on data which is considered to be accurate.

Disclaimer:

MidContinental Chemical Company, however, makes no guarantees or warranty, either expressed or implied of the accuracy or completeness of this information.

The conditions or methods of handling, storage, use and disposal of the products are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This SDS was prepared and is to be used for this product. If the product is used as a component in another product, this SDS information may not be applicable.