
SECTION 1: IDENTIFICATION

Product Name: TRIPAK GASOLINE CONDITIONER

Manufacturer/Supplier: Tripak Super Lubricants

Address: 10811 99 St. Clairmont, AB T8X 5B4

Phone: 780-567-4908 **Fax:** 780-567-4277 **Office Email:** admin@tripaksuperlubricants.com

Emergency Telephone Number: 780-567-4908

SECTION 2: HAZARD IDENTIFICATION

Hazard classification:

| | |
|---|-------------|
| Flammable Liquids: | Category 2 |
| Acute Toxicity (Oral): | Category 3 |
| Acute Toxicity (Dermal): | Category 3 |
| Acute Toxicity (Inhalation): | Category 3 |
| Eye Irritant: | Category 2A |
| Specific Target Organ Toxicity-Single Exposure: | Category 1 |

Label elements:

Symbols:



Signal Word: DANGER

Hazard statements:

- Highly flammable liquid and vapor
- Toxic if swallowed, in contact with skin or if inhaled
- Causes serious eye irritation
- Causes damage to organs

Precautionary statements:

- Keep away from heat, sparks, open flames, hot surfaces. - No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical, ventilating, lighting equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Avoid breathing vapors
- Wash hands thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Wear protective gloves, protective clothing, eye protection, face protection
- If swallowed: Immediately call a doctor

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Names:</u> | <u>% (Vol)</u> | <u>CAS No.</u> |
|------------------------|----------------|----------------|
| Methyl Alcohol | 50 – 90 | 67-56-1 |
| Isopropyl Alcohol | 10 – 30 | 67-63-0 |
| Toluene | 2 – 5 | 203-625-9 |
| Xylene | 2 – 5 | 1330-20-7 |

SECTION 4: FIRST-AID MEASURES

Inhalation: Unlikely hazard, but if occurs remove to fresh air.

Ingestion: Do NOT induce vomiting. Get immediate medical advice/attention. Call a Poison Centre or doctor if victim feels unwell. Ingestion of as little as 10 ml of methanol can cause blindness and 30 ml (1 ounce) can cause death if victim is not treated. Ingestion causes mild central nervous system (CNS) depression with nausea, headache, vomiting, dizziness, incoordination and an appearance of drunkenness. Metabolic acidosis and severe visual effects can occur following an 8-24 hour latent period. Coma and death, usually due to respiratory failure, may occur if medical treatment is not received. Visual effects may include reduced reactivity and/or increased sensitivity to light, blurred, double and/or snowy vision, and blindness.

Eye contact: Flush with water for 15 minutes.

Skin contact: Wash with water.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), BC-powder, Foam, Water mist. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable Extinguishing Media: Strong water jet. Use spray or mist.

Special Hazards Arising from the Chemical: Highly flammable liquid and vapor. Can accumulate in confined spaces, resulting in a toxicity and flammability hazard. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Under fire conditions closed containers may rupture or explode. Flame may be invisible during the day.

Hazardous Combustion Products: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

Special Protective Equipment and Precautions for Firefighters: Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray/stream to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

Environmental Precautions: Avoid release to the environment. Collect spillage. Do not allow to enter into ground-water, surface water or drains.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Keep container tightly closed.

Conditions for Safe Storage, including any incompatibilities: Store at temperatures not exceeding 45°C/113°F. Keep only in the original container in a cool, well-ventilated place away from acids. Store in a dry place. Store in a closed container. Avoid release to the environment. Keep away from incompatible materials. Store in accordance with local/regional/national/international regulations.

PRODUCT NAME: TRIPAK GASOLINE CONDITIONER

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: ACGIH TLV and OSHA PEL for Methyl Alcohol
TWA: 200 ppm, 260 mg//m³
STEL: 250 ppm, 327 mg/m³

Engineering controls: Good room ventilation is important.

Individual protection measures: Use safety glasses. If usage may result in repeated contact with skin, then gloves and body covering clothing should be used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: Liquid

Odour and appearance: Amber liquid, mild sweet odour

Boiling Point: Approximately 64°C

Vapour Pressure: 12.8 kPa @ 20°C

Vapour Density: Approximately 1.1 (air = 1)

Viscosity: 0.8 cP @ 25°C

Upper Explosion Limit: 40%

Lower Explosion Limit: 6%

Solubility in water: Most, but not all will dissolve.

%Volatile: >99%

Specific Gravity: 0.79

Evaporation Rate: Not Available

pH: Not applicable

Auto Ignition Temperature: 455°C (major component)

Flash Point (ASTM D-93): 35°C

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions or normal use.

Chemical stability: Stable but highly flammable liquid.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Elevated temperature.

Incompatible Materials: Acids and strong oxidizing agents. Gaskets made of Buna-N and nitrile rubber.

Hazardous decomposition products: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Oral LD50: Rat >2000 mg/kg (Based on data from components)

Dermal LD50: Rabbit >2000 mg/kg (Based on data from components)

LC50: Rat (inh)(4 hr) > 8000 ppm (Based on data from components)

Effects of Acute Overexposure to Product: In humans, over exposure to methanol can result in blindness and metabolic acidosis. There is a marked difference in acute oral toxicity between animals and man, with man being more susceptible than animals. The estimated mean fatal dose is 300 mg/kg for humans.

Effects of Chronic Overexposure to Product: Under normal use conditions exposures are expected to be negligible. However, prolonged or repeated skin contact at low levels can cause irritation, dermatitis, and may aggravate pre-existing dermatitis. Prolonged or repeated exposure to high vapour concentrations may cause neural dysfunction. Effects on the kidney, liver, and heart have been reported caused by volatile chlorinated paraffins from chronic exposure, but the effect is expected to be much less for chlorinated paraffin oil, particularly due to a lower volatility and potential of exposure to vapour. Studies have shown that many petroleum hydrocarbons pose potential health risks to humans so exposure should be minimized.

Irritancy: Strong eye irritant. Inhalation of vapours can irritate respiratory tract and lungs.

Symptoms/injuries after inhalation: Symptoms may include dizziness, headache, nausea and loss of coordination. CNS depression. Metabolic acidosis and severe visual effects can occur following an 8-24 hour latent period. Coma and death, usually due to respiratory

failure, may occur if medical treatment is not received. Visual effects may include reduced reactivity and/or increased sensitivity to light, blurred, double and/or snowy vision, and blindness.

Carcinogenicity: None of the components in the raw materials have been reported to be carcinogens.

Teratogenicity and Reproductive Toxicity: This product contains a small amount of xylene, which has been known to cause some reproductive toxicity.

Mutagenicity: No evidence.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not toxic to fish, invertebrates or algae.

Persistence and Degradability: Major components are biodegradable.

Bioaccumulative Potential: Unlikely.

Mobility in soil: Mobile.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Empty containers may contain hazardous residue. Never weld, cut or grind empty containers. Empty containers should be thoroughly rinsed with large quantities of clean water. Rinse water should be disposed of as methanol waste. Spilled or contaminated product should be collected and disposed in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

TDG information: SHIPPING NAME: Flammable Liquids NOS (Methanol), PIN: UN1993, CLASS: 3 (6.1), PACKING GROUP: II
OR SHIPPING NAME: Methanol Solution, PIN: UN1230, CLASS: 3 (6.1), PACKING GROUP: II

SECTION 15: REGULATORY INFORMATION

WHMIS 2015 regulations:

| | | |
|-------------------------------|---|-------------|
| Hazard classification: | Flammable Liquids: | Category 2 |
| | Acute Toxicity (Oral): | Category 3 |
| | Acute Toxicity (Dermal): | Category 3 |
| | Acute Toxicity (Inhalation): | Category 3 |
| | Eye Irritant: | Category 2A |
| | Specific Target Organ Toxicity-Single Exposure: | Category 1 |

SECTION 16: OTHER INFORMATION

Preparation date: May 28, 2017

Prepared by: D. Cameron

The information contained in this SAFETY DATA SHEET (the "Information") relates to the specific material designated and may not be valid for such material when used in combination with any other materials or in any process. The information is provided solely for the purpose of compliance with government legislation in force from time to time relating to the sale or distribution of materials of the same type as the specific material designated. Other than to the extent necessarily mandated by such legislation, no representation, warranty or guarantee is made as to the accuracy, reliability or completeness of the Information. The provision and publication of the Information is no way intended to be relied upon by any persons, including, without limitation, users of the materials to which this SAFETY DATA SHEET applies, for any whatsoever, and is not in any circumstances to be the basis for or acceptance of liability for loss or damage of any kind whatsoever that may occur from the use or publication of, or reliance upon the Information. It is the user's responsibility to satisfy himself as to suitability and the completeness of the Information for his own particular use and the particular circumstances of such use. Any emergency, first aid, spillage control or other procedure should only be attempted by qualified personnel.