



Global Part # U01-257050

## Material Safety Data Sheet

Stock code: Master® Windshield Washer Concentrate – WW16

MSDS date: 9/2/08

### 1. SUPPLIER INFORMATION

**Manufacturer:**

Power Line Packaging, INC.  
1304 Conshohocken Road  
Conshohocken, PA  
19428

**Emergency telephone number:** Call CHEMTREC 1-800-424-9300

**Product name:** Windshield Washer Concentrate

**Stock code:** Windshield Washer Concentrate

**Other Designations:** None.

**CAS #:** Methanol (67-56-1)

**Chemical Formula:** CH<sub>3</sub>OH-Mixture of water, methanol and dye

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

#### INGREDIENTS FROM MSDS/LABEL

<u>CAS No.</u>	<u>Component</u>	<u>CONTENTS</u>
67-56-1	Methyl Alcohol	58-63%
7732-18-5	Water	38-43%

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

Danger: Poison. Flammable Liquid. Ingestion of even small amounts of methyl alcohol can cause blindness and death. Cannot be made nonpoisonous. Keep away from heat, sparks, and flame. May cause eye injury which may persist for several days. Liquid and vapor in high concentrations, causes eye irritation, tearing and burning sensations. Prolonged or widespread skin contact may result in absorption of potentially harmful amounts of material. Prolonged inhalation of vapors cause dizziness, nausea, visual impairment, respiratory failure, muscular incoordination and narcosis. Inhalation of high concentrations for prolong periods has resulted in death. Liver damage has resulted from prolonged or repeated inhalation of vapors.

**Company: Power Line Packaging, INC.**  
**Stock code: Windshield Washer Concentrate**

#### 4. FIRST AID INFORMATION

**Eye Contact:**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Ingestion:**

If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention. Drink a large amount of water, milk or sodium bicarbonate to dilute material in stomach.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Skin Contact:**

Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation

#### 5. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Blue liquid

**Odor:** Alcohol odor

**Color:** Blue

**Physical state:** liquid

**pH-value, conc:** 8.3

**Flash point (°C):** 70°F (21°C)

**Flash point Method:** Pensky-Martens Closed Cup

**Specific Gravity [Water=1]:** 0.929

**Soluble in water:** Totally miscible

**Percent Volatile (by volume):** 58-63

#### 6. FIRE-FIGHTING MEASURES

**Special Fire Fighting Procedures:** Firefighters should wear a self-contained breathing apparatus and full face piece operated in pressure demand or other positive pressure mode, and wear full protective clothing. Methanol burns with a clean, clear flame, almost invisible in daylight.

**Extinguishing Media:** Carbon dioxide, dry chemical, alcohol foam.

**Unusual Fire or Explosion Hazards:** Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks, or flames and can react vigorously with oxidizing agents.

#### 7. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.

**Conditions and Materials to Avoid:** Heat, strong oxidizing agents.

**Hazardous polymerization:** Hazardous polymerization does not occur.

**Company: Power Line Packaging, INC.**  
**Stock code: Windshield Washer Concentrate**  
**Product Name: Windshield Washer Concentrate**

**PAGE 2 of 5**

**Hazardous decomposition products:** Carbon monoxide or formaldehyde may be released in a methanol fire.

**Chemical Incompatibilities:** Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid.

## 8. HEALTH HAZARDS DATA/ FIRST AID

**Effects of Overexposure:** Methanol is a poisonous, narcotic chemical that can affect the body through inhalation, ingestion, and perhaps prolonged or repeated skin contact. Absorption by inhalation or ingestion is rapid and excretion is much slower than for ethyl alcohol, resulting in delayed effects or compounding effects by repeated exposure. It is important to be aware that after ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours. Toxic effects are exerted upon the central nervous system, especially the optic nerve. Ingestion can produce blindness; 100-250 ml can be fatal. Symptoms of overexposure include dizziness, visual impairment, nausea, respiratory failure, muscular incoordination and narcosis. Prolonged or repeated skin contact may cause dermatitis, erythema, scaling, and possibly systemic effects.

### ROUTES of ENTRY/ EMERGENCY and FIRST AID PROCEDURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes. Get medical attention as soon as possible.

**Ingestion:** Get medical attention immediately. Induce vomiting with one (1) tablespoon of Ipecac or by touching the back of the throat (ONLY IF CONSCIOUS). Once vomiting has occurred, have the patient drink milk, water or a solution of sodium bicarbonate (baking soda) in water- two (2) teaspoons per glass.

**Inhalation:** Move to fresh air immediately. Restore and/or support breathing if required. Keep victim warm and at rest. Get medical attention as soon as possible. Prevent exposure to Methanol for seven (7) days.

**Skin contact:** Remove contaminated clothing and wipe excess off. Wash affected area with soap and water; apply skin lotions. If skin irritation persists, get medical attention.

**Reproductive Effects:** Reported to cause birth defects in rats exposed to 20,000 ppm

**Teratogenicity:** No

**Metagenicity:** No

Carcinogenicity: Not listed with IARC, NTP, ACGIH or OSHA as a carcinogen.

## 9. HANDLING AND STORAGE

Ground and electrically interconnect containers for transfer. Use spark proof tools. No smoking in areas of use or storage. Avoid prolonged or repeated breathing of vapor or contact with skin. Avoid contact with eyes. Contact lenses should not be worn while handling Methanol. Eye wash stations and safety showers should be available in area of use. Do not ingest! Store in a well-ventilated, fireproof area, away from sources of heat, open flame and ignition.

**Company: Power Line Packaging, INC.**  
**Stock code: Windshield Washer Concentrate**  
**Product Name: Windshield Washer Concentrate**

**PAGE 3 of 5**

Other precautions: Provide preplacement medical exams for industrially exposed workers, with emphasis on neurological and visual functions, liver and kidney systems. Provide suitable training to those working with Methanol. Monitor the workplace. Keep records.

Registrations/Certifications: Not applicable

NOTE: Most of these requirements are for Methanol. Since our solution is 58-63% by volume Methanol, the requirements listed above are very strict and should be followed closely.

## 10. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye protection:** Eye protection recommended during production of product.

**Hand protection:** Protective gloves recommended when manufacturing product.

**Skin and body protection:** Skin protection recommended when manufacturing product. Aprons, boots and face shields where splashing can occur.

**Respiratory protection:** Any air supplied respirator or self contained breathing apparatus.

**Ventilation:** Use in well-ventilated area.

**Controls:** Must be spark proof and explosion proof.

## 11. ACCIDENTAL RELEASE MEASURES

1. Remove all ignition sources.
2. Provide adequate ventilation.
3. Small quantities may be absorbed on paper towels. Evaporate in a safe place (such as a fume hood). Burn paper in an approved incinerator or open pit away from buildings and people. Large quantities can be collected and atomized in a suitable combustion chamber. Spills in sensitive areas may be diluted and flushed to ground with water spray. Do not flush to sewer or other confined space.
4. Spills should be reported according to Federal, State and Local regulations.

**Waste disposal methods:** Absorb in vermiculite, dry sand, earth or a similar material and dispose in a secured sanitary landfill or dispose of via a licensed waste solvent disposal company.

**Resource conservation and Recovery Act (RCRA) Requirements:** Methanol is assigned a hazardous waste number of U154 under 3001. It is considered and toxic waste.

## 12. TOXICOLOGICAL INFORMATION

Oral: Human LD (Lo) - 240 mg/kg

Dermal: Monkey LD (Lo) - 500 mg/kg

Inhalation: Human TC (Lo) - 86,000 mg/m<sup>3</sup> – lacrimation; cough, other changes to lungs, thorax or respiration.

Carcinogenicity: Not listed in Second Annual Report on Carcinogens, 1981, NTP.

Other Pertinent Data: Recommended std-air: TWA 200 ppm; C1 800 ppm/15m

## 13. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product

**Company: Power Line Packaging, INC.**

#### **14. TRANSPORT INFORMATION**

**U.S. DOT:**

**Proper Shipping Name:** Consumer Commodity

**Hazard Class:** ORM-D

**UN/NA Number:** Not Applicable

**DOT Packing Group:** Not Applicable

**IMDG:**

**Proper Shipping Name:** Flammable Liquid, n.o.s. (Methanol Mixture) Limited Quantity

**Hazard Class:** 3

**Hazard Subclass:** Not determined.

**UN No.:** UN 1993

**Packing Group:** PG II

**Marine Pollutant:** No

#### **15. REGULATORY INFORMATION**

**FDA:** Regulated under 21 CFR 176.200 (d) (3) as a component of defoaming agents which may be safely used as components of articles intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food. Also regulated under 176.210 as a component of defoaming agents used in the manufacture of paper and paperboard. Approved as component of paper and paperboard in contact with dry food. [See 176.180 (b) (2)] Listed under 175.105 for use as component of adhesives.

**USDA:** Information unknown at time of publication.

**TSCA:** CAS#67-56-1

**WHMIS:** Canada B2, D1A

**NFDA Rating:** **Health-1**

**Fire-3**

**Reactivity-0**

#### **16. OTHER INFORMATION**

**Disclaimer:**

The information and recommendations contained herein are based upon tests believed to be reliable. However, Power Line Packaging, INC. does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

Adjustment to conform to actual conditions of usage maybe required. Power Line Packaging, INC. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

**Company: Power Line Packaging, INC.**  
**Stock code: Windshield Washer Concentrate**  
**Product Name: Windshield Washer Concentrate**  
**PAGE 5 of 5**