

NCB00257

MATERIAL SAFETY DATA SHEET

Effective Date: 8-15-96

Revision Date: none

Peak Performance - Windshield Washer Fluid #PKN003

Code: OWI

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Section 1 - Product and Company Identification

PRODUCT NAME: Peak Performance - Windshield Washer Fluid #PKN003

MANUFACTURER'S NAME:

OLD WORLD INDUSTRIES, INC.

4065 Commercial Avenue

Northbrook, IL 60062-1851

EMERGENCY TELEPHONE NUMBER

(847)559-2000

MISCELLANEOUS INFORMATION

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Section 2 - Hazardous Ingredients

COMPOSITION INFORMATION:

Common Name: Windshield Washer Fluid

Product Use: Cleaning Windshields

| INGREDIENT* | APPROXIMATE LEVEL | OSHA PERMISSABLE EXPOSURE LIMIT** | NIOSH PEL | ACGIH THRESHOLD LIMIT VALUE | IDLH |
|-------------|----------------------|--|--------------|--------------------------------------|-----------|
| Methanol | 35% by weight | 200 ppm | 200 ppm | 200 ppm | 6,000 ppm |
| CAS#65-56-1 | Max. | (260 mg/m3) | (260 mg/m3) | (260 mg/m3) | (0.6% |
| | | 8-hour TWA | 8-hour TWA | 8-hour TWA | in air) |
| | | (Skin) | 250 ppm | 250 ppm | |
| | | | (310 mg/m3) | (310 mg/m3) | |
| | | | Ceiling | Short Term | |
| | | | (Skin) | Exposure | |
| | | | | Limit | |
| | | | | TWA-(15 minutes | |
| | | | | for skin) | |

*The hazardous component listed is not a known or suspected human carcinogen as listed or determined by the National Agency for Research on Cancer, National Toxicological Program. (NTP Fifth Annual Report on Carcinogens, or International Agency for Research on Cancer (IARC) monographs reviews). In addition, it is not considered a carcinogen by the Occupational Safety and Health Administration or the National Institute for Occupational Safety and Health.

**This MSDS contains the 1989 PEL's from the June 1993 Air Contamination Final Rule, specified in Tables Z-1, Z-2, and Z-3 (Federal Register; 58(124):3533-8-35351: June 30, 1993).

NFPA HAZARD RATING: Health 1 Fire 3 Reactivity 0

KEY: 0-Least, 1-Slight, 2-Moderate 3-High, 4-Extreme

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Section 3 - Hazards Identification

ROUTES OF ENTRY (METHANOL): the primary routes of entry are inhalation, ingestion, and absorption.

HEALTH HAZARDS AND SIGNS AND SYMPTOMS OF EXPOSURE (METHANOL): Irritant to eyes, skin, and upper respiratory system. Headaches, drowsiness, dizziness, vertigo, light-headed, nausea, and vomiting. Visual disturbance, optic nerve damage, and blindness. Skin exposure hazard.

TARGET ORGANS: Central nervous system, digestive tract, eyes, and skin.

ACUTE EFFECTS: Eye irritation. Inhalation can result in nose irritation, headache, fatigue, nausea, visual impairment or complete and possible blindness, acidosis, convulsions, circulatory collapse, respiratory fatigue, and death. Ingestion can cause gastrointestinal (GI) irritation followed by the symptoms described for inhalation and possible kidney impairment. Skin contact result in a cold sensation, dryness, and cracking, possibly leading to dermatitis. Methanol may be absorbed through the skin and may cause headache, fatigue, and visual disturbances. Eye contact results in irritation with lacrimation, inflamed lids, and photophobia.

CHRONIC EFFECTS: Chronic exposure may result in visual impairment or blindness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Ocular, respiratory, or dermal disorder may be aggravated by methanol exposure.

Section 4 - First Aid Measures

EYES: Rinse with water 15 to 20 minutes, seek medical assistance.

SKIN: Flush with water for 15 minutes.

INHALATION: Remove from source to fresh air, provide respiratory support as needed.

INGESTION: Induce vomiting, then give two teaspoons of baking soda in a glass of water; call a physician.

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Section 5 - Firefighting Measures

FLASH POINT: Approximately 85F.

FLAMMABILITY LIMITS

UEL: 36 percent for methanol

LEL: 6 percent for methanol

AUTOIGNITION TEMPERATURE: 878F for methanol

EXTINGUISHING MEDIA FOR METHANOL:

SMALL FIRES: Dry chemical, carbon dioxide, water spray or alcohol resistant foam.

LARGE FIRES: Water spray, fog or alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Move container away from fire area if you can do so without risk. Dike fire control water for later disposal; do not scatter the material. Apply cooling water to the sides of containers exposed to flames until well after the fire is out.

UNUSUAL FIRE AND EXPLOSION HAZARDS FOR METHANOL: Flammable/combustible material; may be ignited by heat, spark or flame. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Vapor explosion and poison hazard indoors, outdoors, or in sewers. Runoff to sewer may create fire or explosion hazard.

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Section 6 - Environmental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- * Keep unnecessary people away; isolate hazard area and deny entry.
- * Stay upwind; keep out of low area.
- * Shut off ignition sources; no flares, smoking or flames in hazard area.
- * Positive pressure self-contained breathing apparatus and chemical protective clothing is recommended for personnel involved in clean-up procedures with no fire.
- * Do not walk through spilled material; stop leak if it can be done without risk.
- * Water spray may reduce vapor; but it will not prevent ignition in closed spaces.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EPA DESIGNATIONS:

RCRA Hazardous Waste (40 CFR 261.33): Hazardous Waste No. U154
 CERCLA Hazardous Substance (40 CFR 302.4): Not Listed
 SARA Extremely Hazardous Substance (40 CFR 355): Not Listed
 SARA Toxic Chemical (40 CFR 372.65): Not Listed

Section 7 - Handling and Storage

Section 8 - Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Under normal use conditions (outdoor windshield cleaning), respiratory protection is not justified.

PROTECTIVE EYE WEAR: Splash goggles are recommended when handling the solution. Contact lenses use is not recommended.

PROTECTIVE CLOTHING: The selection of protective clothing and gloves is dependent upon anticipated exposure. As reported by the manufacturer, Best Glove style 725R (PVC) offerse excellent protection for up to 240 minutes of complete immersion.

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Section 9 - Physical and Chemical Properties

BOILING POINT : Approximately 175F (for product)
 FLASH POINT : Approximately 85F
 SOLUBILITY IN WATER : Soluble
 VAPOR PRESSURE : 100mm @ 21.2 (methanol)
 VAPOR DENSITY : 1.11 (methanol)
 IONIZATION POTENTIAL: 10.84 eV (methanol)
 FREEZING POINT : Approximately -30F
 APPEARANCE & ODOR : The windshield washer is magenta, and it has a mild characteristic pungent odor from the methanol. The odor threshold for methanol is 10 ppm.

Section 10 - Stability and Reactivity

STABILITY/POLYMERIZATION: In a closed container, windshield washer solvent is stable at room temperature and it is stable under routine handling and storage. Hazardous polymerization will not occur.

INCOMPATIBILITY (MATERIAL TO AVOID): Incompatible with beryllium dihydride; metals; oxidants; potassium tert-butoxide; carbon tetrachloride + metals; dichloromethane. Can react vigorously with oxidizing materials.

EXPLOSIVE REACTION WITH CHLOROFORM + SODIUM METHOXIDE; DIETHYL ZINC. Violent reaction with alkyl aluminum salts; acetyl bromide; chloroform + sodium hydroxide; CrO₃; cyanuric chloride; + Pb(ClO₄)₂; HClO₄; P₂O₃; (KOH + CHCl₃); nitric acid.1

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: When methanol is heated to decomposition, carbon dioxide and carbon monoxide may be produced, as well as formaldehyde may be produced, and it emits acid smoke and irritating fumes.

1. Lewis, Richard J., Sr: Sox's Dangerous Properties of Industrial Materials, Eighth Edition, New York, New York, Van Nostrand Reinhold, 1992.

Section 11 - Toxicological Information

Section 12 - Ecological Information

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Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EPA DESIGNATIONS:

RCRA Hazardous Waste (40 CFR 261.33): Hazardous Waste No. U154

CERCLA Hazardous Substance (40 CFR 302.4): Not Listed

SARA Extremely Hazardous Substance (40 CFR 355): Not Listed

SARA Toxic Chemical (40 CFR 372.65): Not Listed

Section 14 - Transport Information

Section 15 - Regulatory Information

Section 16 - Other Information

OSHA PEL: The Occupational Safety and Health Administration's Permissible Exposure Limit, which is defined as the maximum concentration of a contaminant to which a normal healthy individual may be exposed 8-hours per day, 4-hours per week, without experiencing adverse health effects over a working lifetime.

ACGIH TLV: American Conference of Governmental Industrial Hygienist's Threshold Limit Value, similar to the OSHA PEL but not considered a legal standard.

DOT Guide 28: UN1230

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