



# HOOSIER PENN OIL COMPANY

## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

MANUFACTURER:

Hoosier Penn Oil Co., Inc.  
4060 W 10<sup>th</sup> St  
Indianapolis, IN 46222  
PH: 800-622-4795

CHEMICAL NAME:

Solvent (Methanol Based)

TRADE NAME:

HP Windshield Washer -20 Antifreeze and Solvent

FORMULA:

Methanol/Water Solution

### SECTION 2: HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>HAZARDOUS %</u>	<u>TLV (units)</u>	<u>PROD</u>
<u>CAS#</u>			
Methanol	35% for -20°, 40% for -25°		
67-56-1			
Lowest known LD50 (Oral)	1000 mg/kg (Man)		
Lowest known LD50 (Vapors)	64000 ppm (Rats)		
Lowest known LD50 (Skin)	20000 mg/kg (Rabbits)		
Non Hazardous Ingredients > 1%			
Water	65% for -20°, 60% for -25°		
7732-18-5			

### SECTION 3: PHYSICAL DATA

Boiling Point (°F)	175
Specific Gravity (H <sub>2</sub> O =1)	0.948
Physical State	liquid
Vapor Pressure (mmHg)	mm Hg @ 20 C: 24.3
Vapor Density	.6
Solubility in H <sub>2</sub> O	complete
Appearance/Odor	clear water white, dyed blue – alcohol odor
Evaporative Rate	Long



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### SECTION 4: FIRE & EXPLOSION HAZARD DATA

Flash Point (method used)	101°F (open cup)
Auto Ignition Temperature	600°F
Flammable Limits in Air, % by Vol	7.3
NFPA Hazard ID	Health - 2, Flammability - 3, Reactivity - 0
Extinguishing Media	CO <sub>2</sub> , Dry Chemical, Alcohol Foam

#### Special Fire Fighting Procedures:

Use fog nozzles if water is used. Water may be ineffective but can protect fire fighters and cool exposed containers with water spray. Use impervious clothing and self contained positive pressure breathing apparatus with full face cover. Avoid breathing fumes.

#### Unusual Fire & Explosion Hazards:

Container, even when empty, may, if sufficiently heated, ignite explosively. Do not store full or empty drums near heat or open flame. Never use welding or cutting torch on or near drum (even empty). Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point. All metal tanks, drums and tank cars should be grounded and/or bonded when material is transferred.

### SECTION 5: REACTIVITY DATA

Stability	Stable
Conditions to avoid	Isolate from heat, sparks, open flame and electrical equipment
Incompatible Materials	Strong oxidizers such as Permanganate
Decomposition Products	Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization	Does Not Occur

### SECTION 6: HEALTH DATA

#### Effects of Overexposure/First Aid

**Eyes:** Contact with eyes can cause severe irritation, redness, tearing and blurred vision. Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

**Skin:** Prolonged or repeated contact with skin can cause moderate irritation, defatting, dermatitis. Wash exposed area with soap and water. Remove contaminated clothing.



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**Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects include dizziness, weakness, fatigue, nausea, headache and possible unconsciousness and even death. If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration, keep person warm, quiet and get medical attention.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death. If swallowed, give 1 or 2 glasses of water, get medical help or call poison control center immediately for instructions to induce vomiting. If medical advice is not available, induce vomiting using Syrup of Ipecac, following directions on bottle. If no Ipecac is available, induce vomiting with finger or back of spoon. Have patient lie down and keep warm. Do not induce vomiting or give liquids to a victim who is unconscious or drowsy. Keep victim's head low when vomiting. Call a physician.

### Notes to Physician:

This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. The metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours from ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis.

## SECTION 7: SPILL, LEAK AND DISPOSAL

**Small spill:** Mop up with absorbent material and transfer to hood. Eliminate all sources of ignition such as flares, flames and electrical sparks.

**Large spill:** Eliminate all sources of ignition such as flares, flames and electrical sparks. Persons not wearing protective equipment should be excluded from area. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Transfer spilled product to clean containers for recovery. Absorb unrecoverable material. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## SECTION 8: PROTECTIVE MEASURES

**Eyes:** Chemical splash goggles

**Skin:** Wear neoprene gloves

**Respiratory:** Ventilate to keep air below 100 ppm. If over TLV, use a NIOSH/MSHA air supplied respirator. Use engineering controls to reduce exposure.

**Other Protective Equipment:** Impervious clothing & boots



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### SECTION 9: SPECIAL PRECAUTIONS

#### Precautions during handling:

Containers may be hazardous when emptied, since emptied containers retain product residues (vapors, liquids or solids). All hazard precautions given in the data sheet must be observed.

Contains methanol

Cannot be made non-poisonous

Do not store above 120° F

Avoid free-fall of liquid

Ground/Bond containers when transferring

Do not cut, weld, braze or saw containers even if emptied.

Empty containers are hazardous

Flammable

Vapor harmful

Keep out of reach of children

DOT Shipping Name: Combustible Liquid, NOS (NA1993)

#### Precautionary Labeling Required

The information contained herein is based on the data available to us and is believed to be correct. However, Hoosier Penn Oil makes no warranty, expressed or implied regarding to accuracy of this data or the results to be obtained from the use thereof. Hoosier Penn Oil assumes no responsibility for any loss, damage or expense, direct or consequential, arising out of the use of this data.