

Material Safety Data Sheet

Number: **DMN0419**

Product Name: **Daco[®] Windshield Washer Fluid**

Revised: 1/04/05

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Methanol	67-56-1	30%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is irritating to the eyes. Contains alcohol, but product will not burn and poses little hazard in a fire. A blue liquid with a slight alcohol odor.

Health Hazards: Irritant

Physical Hazards: None

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

Eyes – May cause eye injury which may persist for several days. Causes irritation, redness, tearing, and burning sensation.

Skin - repeated or prolonged contact may cause drying, brittleness, cracking and irritation.

Swallowing – Poisonous or fatal if swallowed. A small amount (about six ounces or more) can cause mental sluggishness, nausea and vomiting leading to severe illness, and may produce adverse effects on vision with possible blindness or death (in humans) if treatment is not received. Practically non-toxic to rats.

Breathing – In an enclosed space extremely high levels cause stupor, headache, nausea, dizziness, unconsciousness and may produce adverse effects on vision.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

Skin Contact: Wash exposed area with soap and water. If irritation develops and persists, get medical attention.

Inhalation: If affected, move the person to fresh air. If irritation persists, get medical attention.

Ingestion: If the person is conscious, give two glasses of water to drink. Induce vomiting immediately by sticking finger down throat to trigger gag reflex. Treat for shock by keeping warm and quiet. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: 60° F. ASTM D-56 Closed Cup. NOTE: There is no open cup flash point. The product is not flammable and will not burn. Only in the air-space inside the closed container can enough vapor accumulate to make a small flash and only if a flame is held to the mouth of the container. There is not enough methanol present to create flammable conditions in open air.

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Clean up small spills with a rag or mop. Larger spills can be washed to sewer with plenty of water.

Section 7 - Handling and Storage

Store at temperatures between 30° and 90° F.

Empty containers retain product residue and all precautions apply to them.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Methanol	67-56-1	30%	200ppm(3)	250ppm(3)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=Canada TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: Normal room ventilation.

Respiratory Protection: None when used as directed.

Gloves: Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves.

Eye Protection: If eye contact with the concentrate is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea, but not required.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Boiling Point: 150° F.

Specific Gravity: 0.95

Percent Volatiles: 99%

Solubility In Water: Complete

Appearance and Odor: Light blue liquid with a slight alcohol odor.

Vapor Pressure: 96 mm Hg

Vapor Density: Not Available

Evaporation Rate: 0.9 (Water = 1)

pH: concentrate 7.0 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: Eyes

Section 12 - Ecological Information

Not hazardous, but do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Wash to sanitary sewer with a large amount of water.

Section 14 - Transport Information

D.O.T. Hazard Class: Methanol, 3, UN1230, P.G. II

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA®: H:1 F:1 I:0 **HMIS® III:** H:1 F:1 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

New sheet 1/4/05.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm In advance that the information is current, applicable, and suitable to their circumstances.