



Material Safety Data Sheet



HMIS

Health Hazard	2
Fire Hazard	3
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name **Viscosity Standard** Part # HW4071
 CAS # See Section 2

Manufacturer Haztech Systems, Inc. RTECS
 PO Box 929 TSCA
 Mariposa, CA 95338

In case of emergency contact CHEMTREC
 (24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Section 2. Composition and Information on Ingredients

Exposure Limits

Tube	Name	CAS #	TWA	STEL	CEIL (mg/m3)	% by Weight
1	Methanol	67-56-1	260 mg/m3	325 mg/m3		100%
2	Antifreeze	107-21-1	100 mg/m3			100%
3	Corn oil	8001-30-7	none known			100%
4	Automatic transmission fluid	64741-89-5	5 mg/m3			100%
5	Motor Oil, 10W-30	71011-26-2	5 mg/m3			100%
6	Glycerin, USP	56-81-5	10 mg/m3			100%

Toxicological Data on Ingredients	Methanol: ORAL (LD50): Acute: 5628 mg/kg (Rat.). DERMAL (LD50): Acute: 15800 mg/kg (Rabbit).	Antifreeze: ORAL (LD50): None specified by manufacturer DERMAL (LD50): None specified by manufacturer
-----------------------------------	----------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator) (methanol). May be harmful or fatal if swallowed (antifreeze).

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP, None. by OSHA.
 MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified POSSIBLE for human.
 DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Development toxin [POSSIBLE].
 The substance is toxic to the nervous system, gastrointestinal tract, eyes.
 The substance may be toxic to blood, kidneys, lungs, the reproductive system, liver, heart, brain, cardiovascular system, skin, central nervous system (CNS), pancreas.
 Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5. Fire and Explosion Data

	Tube 1	2	3	4	5	6
Flammability	Flammable					
Auto-Ignition Temperature	867.2°F					
Flash Point	53.6°F	245°F				
Flammable Limits	6 - 36.5%	1.5-?%				
Fire Fighting Media and Instructions for Methanol	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder.					

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
-------------	--------------------------------------------------------------------------------------------------------------------------

Section 7. Handling and Storage

Precautions	Keep away from sources of accidental ignition. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage	Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.

Section 9. Physical and Chemical Properties

	Tube 1	2	3	4	5	6
Physical State and Appearance	Dyed liquid	Dyed liquid	Amber liquid	Dyed liquid	Amber liquid	Clear liquid
Molecular Weight	32.04 g/m	NA	NA	NA	NA	NA
pH (1% Solution in Water)	NA	NA	NA	NA	NA	NA
Boiling Point	148.1°F	334	>300	>500	>600	554
Melting Point	-144°F	-8	NA	NA	NA	64
Specific Gravity	0.796	1.13	<1	.87	.88	1.26
Vapor Pressure	13.3 kPa	<.1	NA	<.01	.01	.0025
Vapor Density	1.11	2.1	>1	>1	>1	3.17

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.

Section 11. Toxicological Information

Route of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5628 mg/kg (Rat.). Acute dermal toxicity (LD50): 15800 mg/kg (Rabbit). Acute toxicity of the vapor (LC50): 64000 4 hours (Rat.). Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP, None. by OSHA. TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Development toxin [POSSIBLE]. Causes damage to the following organs: the nervous system, gastrointestinal tract, eyes. May cause damage to the following organs: blood, kidneys, lungs, the reproductive system, liver, heart, brain, cardiovascular system, skin, central nervous system (CNS), pancreas. Causes damage to the following organs: lungs, mucous membranes.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator). Humans
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities.
----------------	------------------------------------------------------------------------------

Section 14. Transport Information

DOT Classification	CLASS 3: Flammable liquid.
Identification	Methanol UNNA: 1230 PG: II
Special Provisions for Transport	Not available.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations	Rhode Island RTK hazardous substances: Methyl alcohol Pennsylvania RTK: Methyl alcohol Minnesota: Methyl alcohol Massachusetts RTK: Methyl alcohol New Jersey: Methyl alcohol California Directors List of Hazardous Substances (8CCR 339): Methyl alcohol Tennessee Hazardous Right to Know : Methyl alcohol TSCA 8(b) inventory: Methyl alcohol SARA 313 toxic chemical notification and release reporting: Methyl alcohol CERCLA: Hazardous substances.: Methyl alcohol: 5000 lbs. (2268 kg)
California Proposition 65 Warnings	
Other Regulation	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
Other classifications	WHMIS (Canada) CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
	DSCL (EEC) R11- Highly flammable. R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.

Section 16. Other Information

Part Number(s)	HW4071
References	Not available.
Other Special Considerations	Not available.
Validated by	R. Houghton 8/9/02
Verified by	R. Turkington
Call	1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.