

SAFETY DATA SHEET



Date Issued : 03/05/2001
 MSDS No : 290490
 Date-Revised : 05/12/2015
 Revision No : 4

Washer Solvent Concentrate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Washer Solvent Concentrate
PRODUCT DESCRIPTION: Washer Solvent Concentrate
PRODUCT CODE: 290490
PRODUCT FORMULATION NAME: Washer Solvent Concentrate
CHEMICAL FAMILY: Alcohol, Non-ionic surfactant, organic dye
MOLECULAR FORMULA: Mixture
GENERIC NAME: Concentrated windshield washer solvent

MANUFACTURER

Americhem Sales Company LLC
 340 North Street
 Mason, MI 48854

Emergency Contact: CHEMTREC or CANUTEC

Product Stewardship: 517-676-9363

Transportation: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300

CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Dermal), Category 3
 Acute Toxicity (Inhalation), Category 3
 Acute Toxicity (Oral), Category 3
 Target Organ Toxicity (Single exposure), Category 1

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flammable
Liquid



Health
hazard



Skull and
crossbones

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H224: Extremely flammable liquid and vapour.
 H370: Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
 H301: Toxic if swallowed.
 H331: Toxic if inhaled.
 H311: Toxic in contact with skin.

Precautionary statement(s)

Prevention:

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P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273: Avoid release to the environment.
 P270: Do not eat, drink or smoke when using this product.
 P262: Do not get in eyes, on skin, or on clothing.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
 P312: Call a POISON CENTER/doctor/...if you feel unwell.

Storage:

P240: Ground and bond container and receiving equipment.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P242: Use non-sparking tools.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash ... thoroughly after handling.

Disposal:

P501: Dispose of contents/container to ...

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Severe irritation and discomfort. Reversible and/or irreversible corneal damage may occur.

SKIN: Severe irritation and discomfort. Defatting of skin, chemical dermatitis, and other toxic systemic effects from skin absorption are possible.

INGESTION: Gastrointestinal tract irritation. Can be fatal if ingested.

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Possible Birth Defect Hazard - Contains material that may cause birth defects, based on animal data.

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

TARGET ORGAN STATEMENT: CNS depressant, Blood, Eyes and Fetus

COMMENTS: INTENTIONAL ABUSE, MISUSE, OR MASSIVE EXPOSURE MAY CAUSE MULTIPLE ORGAN DAMAGE AND/OR DEATH.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Methanol	> 99	67-56-1
Non-ionic Surfactant	< 0.1	

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Water Soluble Blue Dye

< 0.1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting, only if victim is conscious. Get immediate medical attention.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Treat as an OSHA Class IB Flammable liquid

EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide, Water Fog

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all ignition sources and ventilate area. Evacuate all non-essential personnel. Blanket spill with alcohol resistant foam to limit evaporation. Dike area to contain spill and clean up by absorbing on inert absorbent or by other means. Liquid may be flammable even when mixed with water unless heavily diluted (>5:1). Do not flush into sewers or natural waterways. Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Provide adequate ventilation during clean-up. Large spills may be picked up using vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area. When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Methanol	OSHA PEL	TWA	200 ppm ^[1]	260 mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	200 ppm	262 mg/m ³
		STEL	250 ppm	328 mg/m ³
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

OSHA TABLE COMMENTS:
 1. S = Skin

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Methanol	12.2 TCC	complete	0.792

PHYSICAL STATE: Liquid

ODOR: Mild alcohol odor

APPEARANCE: Clear

COLOR: Blue

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: (50°F) TAG CC

FLAMMABLE LIMITS: 6.0 to 36.5

AUTOIGNITION TEMPERATURE: (725°F)

VAPOR PRESSURE: 96 mmHg at 20°C

VAPOR DENSITY: 1.1 (Air=1)

BOILING POINT: (148°F)

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FREEZING POINT: (-143°F)
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: 3.5 (n-Butyl Acetate=1)
SPECIFIC GRAVITY: 0.79 (water=1) at (68°F)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable
CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.
INCOMPATIBLE MATERIALS: Strong Acids, Alkalies, Oxidizers. Avoid contact with Aluminum, Zinc, or other reactive metals.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Methanol	13000 mg/kg (RAT)	20000 mg/kg (RABBIT)	1000 ppm (MONKEY)

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Methanol	not listed	not listed

REPRODUCTIVE TOXICITY: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Methanol Solution
PRIMARY HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN 1230
PACKING GROUP: II

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Methyl Alcohol (67-56-1) - 98 to 100% Wt.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Methanol	> 99	67-56-1

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Methanol	> 99	5,000 lbs.

CERCLA RQ: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Methanol	67-56-1

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Methanol	> 99	Developmental Toxicity

16. OTHER INFORMATION

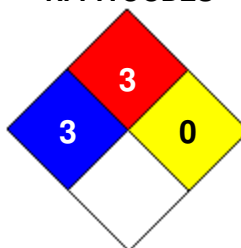
Date-Revised: 05/12/2015

REVISION SUMMARY: This MSDS replaces the 11/01/2007 MSDS. Revised: **Section 2: COMMENTS, REPRODUCTIVE EFFECTS, TARGET ORGAN STATEMENT.** **Section 11: CHRONIC, REPRODUCTIVE EFFECTS, SUBCHRONIC.**

HMIS RATING

HEALTH	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		C

NFPA CODES



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