

SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME: **STA-KLEEN WINDSHIELD WASHER FLUID -20°** Pg. 1/6
PRODUCT CODE: Fluid 2069 P/N: 5051-5052-5053 Version 11
CHEMICAL FAMILY: ALCOHOL BASED CLEANER 4/11/2018
Meets GHS requirements

MANUFACTURERS NAME: CUL-MAC INDUSTRIES
ADDRESS: 3720 S. VENOY RD.
WAYNE, MI 48184
PHONE: (800) 626-5089
EMERGENCY PHONE: (866) 214-4235 (3E COMPANY)

SECTION II HAZARD IDENTIFICATION



DANGER:

HAZARD STATEMENT: *This material can not be made non-poisonous, may be fatal if swallowed.
May cause damage to the eyes and central nervous system.
Flammable liquid and vapor.*

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

TARGET ORGANS: Central nervous system, Eyes

HAZARD STATEMENTS:	H226:	Flammable Liquid and Vapour
	H300:	Fatal if Swallowed
	H313:	May be Harmful in Contact with Skin
	H319:	Causes Serious Eye Irritation
	H335:	May Cause Respiratory Irritation
	H373:	May Cause Damage to Organs Through Prolonged or Repeated Exposure
	H400:	Very Toxic to Aquatic Life

PRECAUTIONARY STATEMENTS:	P210:	Keep Away From Heat/Sparks/Open Flames/Hot Surfaces - NO Smoking
	P233:	Keep Container Tightly Closed
	P240:	Ground/Bond Container and Receiving Equipment
	P241:	Use Explosion-Proof Electrical/Venting/Lighting/.../Equipment.
	P242:	Use Only Non-Sparking Tools
	P243:	Take Precautionary Measures Against Static Discharge
	P260:	Do Not Breathe Dusts or Mists
	P261:	Avoid Breathing Dust/Fume/Gas/Mist/Vapours/Spray
	P264:	Wash Thoroughly After Handling
	P270:	Do Not Eat, Drink or Smoke When Using This Product
	P271:	Use Only Outdoors or in a Well-Ventilated Area
	P273:	Avoid Release to the Environment
	P280:	Wear Protective Gloves/Eye Protection/Face Protection

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SECTION II HAZARD IDENTIFICATION CONTINUED

RESPONSE STATEMENTS:	P303+P361+P353:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P370+P378:	In case of fire: Use Dry Chemical, Alcohol Foam, or Carbon Dioxide for extinction.
	P301+P310:	IF SWALLOWED: Immediately Call a POISON CENTER or Doctor.
	P321:	See Specific Treatment on this Label
	P330:	Rinse Mouth
	P312:	Call a POISON CENTER or Doctor if you Feel Unwell
	P305+P351+P338:	IF IN EYES: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to do so. Continue Rinsing.
	P337+P313:	If Eye Irritation Persists: Get Medical Advice
	P310:	Immediately Call a POISON CENTER or Doctor
	P304+P340:	IF INHALED: Remove Victim to Fresh Air and Keep at Rest in a Position Comfortable for Breathing
	P314:	Get Medical Advice if you Feel Unwell
	P391:	Collect Spillage
STORAGE STATEMENTS:	P403+P233:	Store in a well-ventilated place. Keep container tightly closed.
	P405:	Store Locked Up
	P403+P235:	Store in a well-ventilated Place. Keep Cool.
DISPOSAL STATEMENTS:	P501:	Dispose of contents/container in accordance with all applicable federal, state, and local regulations.
CARCINOGENICITY:		Not listed by OSHA, IARC, OR NTP

SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by wt.	CAS #	OSHA PEL	ACGIH TLV
METHANOL	30 - 40	67-56-1	200 ppm	200 TWA

SECTION IV FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing and wash before reuse. Wash under shower with soap and water for at least 15 minutes. Seek medical attention if irritation occurs.
EYE CONTACT:	Remove contact lenses, if worn. Flush immediately with gently running water for a minimum of 15 minutes lifting upper and lower eyelids occasionally. Seek medical attention.
INHALATION:	Remove to fresh air immediately. Restore or assist breathing if necessary. Obtain medical attention immediately. Symptoms of overexposure include giddiness, intoxication, CNS depression, or coma.
INGESTION:	Swallowing methanol is life threatening. Symptoms of methanol poisoning may be delayed up to 24 hours. DO NOT induce vomiting or wait for symptoms to develop. Seek medical attention immediately.

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SECTION V FIRE FIGHTING MEASURES

FLASH POINT: 88° F

FLAMMABILITY LIMITS: **LEL:** 6.0%
(Methanol) **UEL:** 36.0%

EXTINGUISHING MEDIA: Dry Chemical; Alcohol Foam; Carbon Dioxide

SPECIAL PROCEDURES: Stay Upwind. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. If water is used, use fog nozzles. Do not enter confined spaces without full bunker gear. Use NIOSH approved positive-pressure self-contained breathing apparatus. Do not walk through any spilled chemicals.

UNUSUAL HAZARDS: Methanol burns with a clear flame and can be difficult to see in daylight. Vapors can travel long distances along the ground to a source of ignition.

SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Eliminate all ignition sources. Collect liquid with explosion proof pumps. Dilute with water for small spills, collect with a non-combustible solvent. Avoid release into the environment. Prevent from entering into soil, sewers, waterways and groundwater.

SECTION VII HANDLING & STORAGE

HANDLING: Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.

STORAGE: Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.

SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Not generally needed

GLOVES: Butyl and nitrile gloves.

EYE PROTECTION: Chemical splash goggles when transferring is taking place

CLOTHING AND FOOTWEAR Not generally needed

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SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	176° F	pH:	9.0 - 10.0
FREEZING POINT:	-20° F	SPECIFIC GRAVITY:	0.92
VAPOR PRESSURE:	N/A	PERCENT VOLATILE:	99
VAPOR DENSITY (AIR = 1):	< 1	APPEARANCE:	Blue
SOLUBILITY IN WATER:	COMPLETE	ODOR:	Alcohol
EVAPORATION RATE:	> 1		
(BUTYL ACETATE = 1)			

SECTION X STABILITY AND REACTIVITY DATA

STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong oxidizers, strong acids, and strong bases. Keep
(CONDITIONS TO AVOID) away from heat, sparks, open flame and static discharge.

HAZARDOUS DECOMPOSITION: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.

SECTION XI TOXICOLOGICAL INFORMATION

Methanol: Acute oral toxicity (LD50) [Rat]: 5628 mg/kg (IUCLID)
Acute oral LDLO [Human]: 143 mg/kg (RTECS)
Acute dermal toxicity (LD50) [Rabbit]: 15800 mg/kg (RTECS)
Acute toxicity of the vapor (LC50) [Rat]: 64000 ppm 4 hours (RTECS)

Skin Irritation: Irritation, may cause burns on long term exposure
Eye Irritation: Risk of serious damage to eyes. Risk of blindness
Genotoxicity In Vitro:

Ames Test: Negative (IUCLID)
Mutagenicity: Numerous endpoints were reported in RTECS which indicate mutagenicity and developmental effects in various species of bacteria, rats, and mice via oral, dermal, inhalation and intraperitoneal routes and levels of exposure.

Target Organs:
Single Exposure: Central Nervous System
Repeated Exposure: Central Nervous System, Skin, Eyes, Kindeys

NOTE: Symptoms may be delayed. Handle using good health practices.

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SECTION XII ECOLOGICAL INFORMATION



Methanol:

Toxicity in Fish LC50: 15400 mg/L (ECOTOX: 96 hours, Bluegill Sunfish)
Toxicity to Daphnia: >10000 mg/L (IUCLID: 24 hours, Daphnia Magna)
Toxicity to Algae: 8000 mg/L (IUCLID: 16 hours, Scenedesmus Quadricauda)
Toxicity to Bacteria: 6600 mg/L (IUCLID: 16 hours, Pseudomonas Fluorescens)

Readily Biodegradable; 99% (OECD Test Guidelines 301D, 30 day)

BOD: 600-1200 bg/g (IUCLID)

COD: 1400 mg/g (IUCLID)

Mobility in Soil: This material is a mobile liquid

Do not allow this product to enter surface waters, wastewater or soil. Stability in water reported to be 2.2 years (IUCLID)

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION:

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

GENERAL DISPOSAL CONSIDERATIONS:

Prevent methanol from entering sewers, confined spaces, drains, or waterways. Clean up and dispose of waste in accordance with all federal, state and local environmental regulations.

SECTION XIV TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

PROPER SHIPPING NAME (DOT):

CLEANING COMPOUND, LIQUID (GALLONS - LIMITED QUANTITY)

ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (methanol solution) (BULK)

UN-NO.(DOT):

UN1986

TRANSPORT HAZARD CLASS(ES) (DOT):

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

PACKING GROUP (DOT):

III - Minor Danger

SUBSIDIARY RISK (DOT):

6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

HAZARD LABELS (DOT):

3 - Flammable liquid

6.1 - Poison



EMERGENCY RESPONSE GUIDE (ERG) NUMBER: 131

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SECTION XIV TRANSPORT INFORMATION (Continued)

OTHER INFORMATION: No supplementary information available

TRANSPORT BY SEA

UN-NO. (IMDG): 1986
PROPER SHIPPING NAME (IMDG): ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (methanol solution)
CLASS (IMDG): 3 - Flammable Liquids
PACKING GROUP (IMDG): III - substances presenting low danger
SUBSIDIARY RISK (IMDG): 6.1 - Toxic substances
LIMITED QUANTITIES (IMDG): 5 L

AIR TRANSPORT

UN-NO. (IATA): 1986
PROPER SHIPPING NAME (IATA): ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (methanol solution)
CLASS (IATA): 3 - Flammable Liquids
PACKING GROUP (IATA): III - Minor Danger
SUBSIDIARY RISK (IATA): 6.1 - Toxic substances

SECTION XV REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARDOUS CHEMICAL: Yes
SARA 302 COMPONENTS: None
SARA 311/312: Immediate (X) Delayed (X) Fire (X) Reactive ()
Sudden release of Pressure ()
SARA 313 COMPONENTS: Methanol CAS# 67-56-1
TSCA STATUS: The intentional ingredients of this product are listed
CERCLA RQ: 5000 LBS.

State and Local Regulations

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.

New Jersey RTK Label Information

Methyl Alcohol (CAS: 67-56-1)

Pennsylvania RTK Label Information

Methanol (CAS: 67-56-1)

Atmospheric Standards

The Clean Air Act Amendments of 1990 list Methanol as a hazardous air pollutant.

SECTION XVI OTHER INFORMATION

HMIS: Health = 2; Flammability = 3; Reactivity = 0; Personal Protection = B:

DISCLAIMER

The information herein has been from sources believed to be accurate, reliable and up to date to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources and do not make any warranties nor assume any liability from its use or misuse.

End of SDS