

# SAFETY DATA SHEET

## SECTION I IDENTIFICATION

PRODUCT NAME: **STARFIRE WASHER SOLVENT -20** Pg. 1/6  
PRODUCT CODE: Fluid 2069 P/N: 4997 - 4997D Version 2  
CHEMICAL FAMILY: ALCOHOL-BASED CLEANER 2/3/2015  
Meets GHS requirements

MANUFACTURERS NAME: Coolants Plus Inc.  
ADDRESS: 2570 Van Hook Ave.  
Hamilton, OH.  
PHONE: (888)258-8723  
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.  
May damage fertility or the unborn child (fetotoxic and teratogenic effects)  
Flammable liquid and vapor.*

**ROUTES OF ENTRY:** Skin, Eyes, Ingestion, Inhalation

**TARGET ORGANS:** Central nervous system, Eyes

**HAZARD STATEMENTS:**

<b>H225:</b>	Highly Flammable Liquid or Vapour
<b>H301:</b>	Toxic if Swallowed
<b>H311:</b>	Toxic in Contact with Skin
<b>H318:</b>	Causes Serious Eye Damage
<b>H331:</b>	Toxic if Inhaled
<b>H335:</b>	May Cause Respiratory Irritation
<b>H370:</b>	Causes Damage to Organs
<b>H400:</b>	Very Toxic to Aquatic Life

**PRECAUTIONARY STATEMENTS:**

<b>P102:</b>	Keep Out of Reach of Children
<b>P210:</b>	Keep Away From Heat/Sparks/Open Flames/Hot Surfaces - NO Smoking
<b>P211:</b>	Do Not Spray on an Open Flame or Other Ignition Source
<b>P233:</b>	Keep Container Tightly Closed
<b>P260:</b>	Do Not Breathe Vapours
<b>P262:</b>	Do Not Get in Eyes, on Skin, or on Clothing
<b>P264:</b>	Wash Thoroughly After Handling
<b>P270:</b>	Do Not Eat, Drink or Smoke When Using This Product
<b>P271:</b>	Use Only Outdoors or in a Well-Ventilated Area
<b>P273:</b>	Avoid Release to the Environment
<b>P281:</b>	Use Personal Protective Equipment as Required

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**SECTION II HAZARD IDENTIFICATION CONTINUED**

**RESPONSE STATEMENTS:** **P301+P310:** IF SWALLOWED: Immediately call a POISON CENTER or physician  
**P302+P352:** IF ON SKIN: Wash with soap and water  
**P303+P361+P353:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
**P333+P313:** If skin irritation or a rash occurs: Get medical attention.  
**P304+P341:** IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
**P337+P313:** If eye irritation persists get medical attention.  
**P370+P378:** In case of fire: Use Dry Chemical, Alcohol Faom, or Carbon Dioxide for extinction.

**STORAGE STATEMENTS:** **P403+P233:** Store in a well-ventilated place. Keep container tightly closed.  
**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

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

### SECTION X STABILITY AND REACTIVITY DATA

**STABILITY:** Stable under normal conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY:  
(CONDITIONS TO AVOID)** Strong oxidizers, strong acids, and strong bases. Keep 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:** FLAMMABLE LIQUID, N.O.S. (Methanol Solution)  
CLEANING COMPOUND, LIQUID (16oz - Limited Quantity)

**UN/NA NUMBER:** 1993  
**HAZARD CLASS:** 3  
**PACKING GROUP:** II

**REPORTABLE QUANTITY (RQ lbs):** 5000 lbs  
**EMERGENCY RESPONSE GUIDEBOOK:** 128  
**PLACARD/LABELS REQUIRED:** Flammable

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**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 = 4; Reactivity = 0

**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**