

# SAFETY DATA SHEET



Prepared to GHS-USA Requirements

**SUB ZERO**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**TRADE NAME:** SUB ZERO (ALL COLORS)

**DATE PREPARED:** 8/1/17

**SUPERCEDES:** 8/1/14

**Product Type:** Anti Freeze Foam Brush Detergent  
**Recommended Use:** Commercial Car Wash

**Supplier:** QUEST CAR CARE PRODUCTS  
3333 PRODUCTION CT  
ZEELAND, MI. 49464

**Phone:** 1-616-7725-5100  
**Fax:** 1-616-931-3173

**EMERGENCY INFORMATION:** CHEMTREC: 1-800-424-9300 (24 HOUR RESPONSE)

## SECTION 2: HAZARD(S) IDENTIFICATION

### \*\*\* EMERGENCY OVERVIEW \*\*\*:

Extremely flammable liquid and vapor. May be fatal or cause blindness if swallowed. May be fatal if inhaled; can cause permanent injury to the eyes!

### Symbol(s) of Product



**Signal Word:**  
**DANGER**

### GHS HAZARD CLASSIFICATION:

Flammable Liquid, category 2  
Acute Toxicity, Oral, category 2  
Eye & Skin Irritation, category 2  
STOT, single exposure, category 3, RTI  
STOT, single exposure, category 3, NE  
STOT, single exposure, category 2

### GHS PRECAUTIONARY STATEMENTS

P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

### GHS HAZARD STATEMENT:

H225 Highly flammable liquid and vapor.  
H301 Toxic if swallowed.  
H315+320 Causes skin and eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H370 May cause damage to organs.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/physician
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
Methanol	67-56-1	90-100	GHS02-GHS06-GHS08	H225-300-332-335-336-370
Non hazardous Additions	Mixture	1 to 5		H315+320

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

## SECTION 4: FIRST AID MEASURES

### IF IN EYES:

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.

### IF ON SKIN:

Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.

### IF INHALED:

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

### IF INGESTED:

Call a physician or poison control center immediately. Induce vomiting by sticking 2 fingers down the throat or by giving IPECAC syrup; or wait for the instruction of medical personnel. Never give anything by mouth to an unconscious person. Do not delay medical advice.

## SECTION 5: FIRE FIGHTING MEASURES

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extremely flammable liquid and vapor. May cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous.

DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

**SPECIAL FIREFIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Avoid use of solid water streams. Use water with caution. Material is 100% water soluble. Water may be ineffective in fighting large fires. Water spray to cool containers or protect personnel. Use with caution. Use water spray to knock down vapors. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

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

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section). Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area and stay upwind of spill. A vapor suppressing foam may be used to reduce vapors. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbents. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump).

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** Use only in a well-ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Take precautionary measures against static discharge. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight. Static Discharge, materials can accumulate static charges which can cause an incendiary electrical discharge. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Methanol	200 ppm	250 ppm	200 ppm	N.D.

### PERSONAL PROTECTION:

#### RESPIRATORY PROTECTION:

In well ventilated areas none is normally required. If using in a confined space wear a NIOSH approved (or equivalent) full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

#### SKIN PROTECTION:

Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.

#### EYE PROTECTION:

Wear safety glasses with side shields (or goggles) and a face shield.

#### OTHER PROTECTIVE EQUIPMENT:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### HYGIENIC PRACTICES:

Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Clear, Red, Blue, Yellow, Green or Purple

**Odor:** Sweet Alcohol / Bubble Gum Background

**Density, g/cm<sup>3</sup>:** 0.77-0.79

**Freeze Point, °F:** -100

**Solubility in Water:** 100% Soluble

**Boiling Range, °F:** Not Determined

**Evaporation Rate:** Not determined

**Vapor Density:** Not Determined

**Physical State:** Liquid

**Odor Threshold:** Not Determined

**pH:** N/A

**Viscosity:** Not Determined

**Explosive Limits, vol%:** 6.0 - 40.0

**Flash Point, °F:** 50-55

**Auto-ignition Temp., °F:** Not Determined

**Vapor Pressure:** Not Determined

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** No Information

**CONDITIONS TO AVOID:** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBILITY:** Avoid contact with hydrogen peroxide, chromic anhydride, nitric acid, mixed nitric/sulfuric acid, nitrosyl perchlorate, permonosulfuric acids, potassium tert-butoxide, sodium hypobromite, chlorinated melamine. Prevent contact with strong oxidizing agents. Do not put into mineral acids or bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Combustion can lead to the formation of formaldehyde. Combustion can lead to formation of formic acid.

**HAZARDOUS POLYMERIZATION:** No Information

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS:

**EFFECTS OF OVEREXPOSURE - INHALATION:** Irritating to respiratory system if inhaled. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Causes skin irritation. Skin absorption may add significantly to the overall toxic effect.

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** May be fatal or cause blindness if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Material is slowly eliminated from the body, therefore it can have cumulative toxicity effects with repeated exposures. Possible brain damage from overexposure. Overexposure may cause nervous system damage. May cause delayed lung damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**Primary Route(s) of Entry:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name according to EEC	Oral LD50
67-56-1	Methanol	5628 mg/kg

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## SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** No Information

## SECTION 13: DISPOSAL CONSIDERATIONS

**\*\*\*Always dispose of any waste in accordance with all local, state, and federal regulations.**

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state and federal regulations.

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED:

Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section). Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area and stay upwind of the spill. A vapor suppressing foam may be used to reduce vapors. Collect spilled materials for disposal. Use only non-combustible material(s) for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbents. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump).

## SECTION 14: TRANSPORT INFORMATION

**DOT UN/NA Number:** UN1230  
**DOT Proper Shipping Name:** Methanol  
**Packing Group:** II  
**DOT Hazard Class:** 3  
**Hazard Sub-Class:** No Information

## SECTION 15: REGULATORY INFORMATION

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.

Chemical Name	CAS-No
Methanol	67-56-1

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: No TSCA components exist in this product.

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## **U.S. State Regulations:**

### **NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

**Chemical Name**            **CAS-No.**

None Listed

### **PENNSYLVANIA RIGHT-TO-KNOW:**

The following non-hazardous ingredients are present in the product are at or greater than 3%.

**Chemical Name**            **CAS-No.**

None Listed

### **CALIFORNIA PROPOSITION 65 CARCINOGENS:**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No Proposition 65 Carcinogens exist in this product.

### **CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS:**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

**Chemical Name**            **CAS-No.**

Methanol                      67-56-1

## **International Regulations: As follows**

### **CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class:** No Information

## **SECTION 16: OTHER INFORMATION**

### **HMIS Ratings:**

**Health:** 1            **Flammability:** 3            **Reactivity:** 0            **Personal Protection:** X

### **Volatile Organic Compounds:** 95 g/L

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, QUEST CCP MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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