

# Material Safety Data Sheet

# SUB ZERO

## Section 1. Chemical Product and Company Information

**Trade Name:** SUB ZERO (All Colors)  
**Product Type:** Winterized Foaming Brush Detergent  
**Manufacturer:** Quest Transportation Technologies  
By Pas International Corporation  
3333 Production Court  
Zeeland, MI. 49464  
1-800-346-1028  
**Date Revised:** 7/1/2011



**Emergency Phone:** 1-800-424-9300 (Chemtrec)

## Section 2. Composition, Information about Formulation Ingredients

CAS Number:	Name:	% (optional)	UNITS (TLV)	Sara 313 Reportable
67-56-1	Methyl Alcohol	80 to 90	20 ppm skin	Yes
Proprietary	Surfactant Blend	1 to 5	NE	

## Section 3. Hazardous Identification

**Emergency Notification:** Contains Methanol. Cannot be made non-poisonous!

**Product Overview:** Highly flammable and evaporative liquid. Harmful or fatal if swallowed. Can cause blindness or other harmful effects if swallowed.

### Potential Health Effects

**Eyes:** Product will cause severe damage if not treated immediately.  
**Skin:** Will cause a dryness or rash by removing oils from skin.  
**Inhalation:** Concentrated product mists are irritating to the respiratory system and will cause nausea.  
**Ingestion:** Product may cause nausea or dizziness. Harmful to internal organs. Can cause blindness.

## Section 4. First Aid Procedures

**Eyes:** Flush eyes immediately with cool running water. Remove contact lenses and continue flushing for another 10-15 minutes. Get medical attention immediately!

**Skin:** Flush area with plenty of soapy water for 10-15 minutes. Remove affected clothing and wash area under affected clothing for 10-15 minutes. Wash clothing articles before reuse. Contact a physician if any irritation persists or sores appear.

**Inhalation:** Remove person to fresh air immediately. If not breathing administer CPR. If breathing is difficult give oxygen and get medical attention.

**Ingestion:** Rinse the mouth, then drink 1-2 large glasses of water. Induce vomiting by sticking 2 fingers down the throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5: Fire Fighting Procedures

**Special Hazards Notification:** Slippery where spilled. Vapors can displace oxygen! Very Flammable Liquid.

**Fire Fighting Media:** Use foam, dry chemicals or CO2.

**Instructions:** Dike area of fire to contain and prevent product run off. Treat area as for surrounding fire and shut off sources of ignition.

**Special Equipment Needed:** Fire fighters should wear chemical resistant equipment in case of spill and a self contained breathing apparatus with face shield in case of product spatter.

## Section 6: Accidental Release Measures

**Personal Precautions:** Wear chemical resistant gloves, respirator, splash proof eye wear and protective clothing before attempting to move contaminated containers. Stop leak if no risk is involved. Dike spills and prevent the product from entering sewers, basements or confined areas.

**Environmental Precaution:** Prevent this product from entering natural waterways or the ground.

**Clean Up Procedures:** Recover material by scooping up with shovel, use absorbant pads or earth. Place into sealable steel containers for proper disposal. Clean contaminated surfaces with a good detergent. Small amounts can be flushed to sanitary sewer system. Comply with your local, state and federal regulations for reporting spills.

## Section 7: Handling and Storage

**Handling:** Do not get product in the eyes or mouth. Keep container sealed when not in use. Avoid breathing strong product mists. Wear chemical resistant gloves, eye protection when handling contaminated containers.

**Storage:** Keep container lids closed when not in use. Keep out of the reach of children. Store in room temperature and out of direct sunlight. Open lids slowly to release pressure. Best if used within 2 years of manufacture date. Consult with your representative should product be beyond the manufacture date. Keep this material away from areas of high heat, with sparks or flames.

<b>Section 8. Personal Protection</b>	<b>SUB ZERO</b>
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Personal Protection:

Eyes: Use splash proof goggles or glasses. In case of areas where product may splash or drip use a full face mask.

Skin: Use chemical resistant gloves for the hands, and use a synthetic apron to prevent further skin contact from splashing.

Respiratory: In case of strong product mists or if using in a confined space select and use an OSHA respirator found in accordance to 29 CFR 1910.134.

Ventilation: Local exhaust.

Other: Make sure eye wash and shower station is near by the area in case of emergency.

<b>Section 9. Physical and Chemical Properties</b>
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Product State: Thin Liquid

Color: Red, Blue or Yellow

Odor: Pleasant w/ Strong Alcohol Odor

pH @ 100%: NA

Boiling Point: NE

VOC's % by wgt: <90

Phosphorous % by wgt: 0

Flash Point °F: <100

Solubility in Water: Complete

Specific Gravity: 0.76

<b>Section 10. Stability and Reactivity</b>
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Stability: This product is stable

Reactivity: Reactive with strong oxidizers.

Compatibility: Not compatible with strong alkaline detergents, ammonia, or bleach.

Haz. Decomposition: Carbon Dioxide and Monoxide

<b>Section 11. Toxicological Information</b>
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Overexposure Effects:

Skin: Dryness or rash.

Eyes: Will cause severe irritation and possible damage.

Inhalation: Harmful to respiratory system and mucous membranes. Dizziness and nausea will occur.

Ingestion: Causes nausea and central nervous system depression. Blindness. Harmful if swallowed.

Carcinogenicity: Methanol

Other Studies: There is no other data available and no other studies have been performed on this product.

<b>Section 12. Ecological Information</b>
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No Ecological Information is available on this product. However it is toxic or harmful to aquatic life.

<b>Section 13. Disposal Considerations</b>
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Follow your local, state or federal regulations (contact DEQ) for proper disposal of chemicals. Contact the manufacturer to find a place where this product can be disposed at.

<b>Section 14. Transportation Information</b>
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Methyl Alcohol Solution, 3, UN1230, II

<b>Section 15. Regulatory Information</b>
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HCS Classification: Flammable

U.S. Federal Regulations: Flammable

TSCA 8 (b): All materials are listed or exempt

California Prop 65: Methanol

<u>Hazardous Material:</u>	USA	<b>Health:</b>		1
<u>Information System:</u>		<b>Fire Hazard:</b>		3
		<b>Reactivity:</b>		0
		Personal Protection:		D

<b>Section 16. Other Information</b>
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