



Maintenance Solutions

# Suspend

Spontaneous Emulsifier



**For Use On:**

- |          |                 |                 |
|----------|-----------------|-----------------|
| Floors   | Machinery       | Equipment       |
| Walls    | Desks           | Stainless Steel |
| Concrete | Refrigerators   | Plastic         |
| Engines  | Tables          | Vinyl           |
| Tools    | Plastic         | Porcelain       |
| Chrome   | Food Processing |                 |

**DESCRIPTION**

A unique blend of saponifying agents designed to instantly emulsify grease and oily soil. Attacks grease and soils on contact making this the ideal product for use with automatic scrubbers and pressure washers. May also be used with conventional mop and bucket or spray applications.

**DIRECTIONS**

**FOR USE IN AUTOMATIC SCRUBBERS:** Dilute 32 to 64 ounces of concentrate (depending on soil conditions) to each 10 gallons of water in the solution tank.

**FOR USE IN PRESSURE WASHERS:** Adjust spray nozzle to deliver 1 part concentrate to 30-60 parts water depending on soil conditions. Rinse thoroughly with clear water.

**FOR STEAM CLEANING:** Dilute 4-6 ounces of concentrate per gallon of water and adjust tank valve according to soil conditions. Rinse thoroughly with clear water.

**MOP OR SPRAY CLEANING:** Dilute 1-8 ounces of concentrate per gallon of water depending on soil conditions and apply to surface with mop or sprayer. Agitate and pick-up, wipe clean or rinse thoroughly with clear water.

**FOR SOAK TANKS:** Dilute 12 ounces of concentrate per gallon of water. Rinse parts thoroughly with clear water.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and Federal regulations.

**PRODUCT SPECIFICATIONS**

<b>Active Ingredients:</b>	23.0 ± 0.5%	<b>Emulsification:</b>	Excellent
<b>Color:</b>	Blue	<b>Detergency:</b>	Excellent
<b>Odor:</b>	Characteristic	<b>Rinsability:</b>	Complete with water
<b>pH:</b>	13.0 - 13.5	<b>Flash Point:</b>	None (waterbased)
<b>Viscosity:</b>	Water thin	<b>Biodegradability:</b>	Complete
<b>Foam:</b>	Low	<b>Storage/Stability:</b>	2 years
<b>Abrasives:</b>	None	<b>Weight per Gallon:</b>	9.15 lbs./gal.
<b>Solubility:</b>	Complete with water	<b>Freeze / Thaw Stability:</b>	Keep from freezing

Cleaner / Degreasers

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Suspend	<b>Supplier's Name:</b>
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Spontaneous Emulsifier	<b>Supplier's Address:</b>
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Alkaline Detergent Blend	<b>Supplier's Phone #:</b>
	<b>Formula:</b> Proprietary	

**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Sodium Metasilicate	6834-92-0	10 to 15			
Nonionic Surfactant	9016-45-9	0 to 5			
Potassium Hydroxide	1310-58-3	0 to 5	N/A	C2mg/M <sup>3</sup>	N/A
Dimethyl Benzyl Ammonium Chloride	68424-85-1	0 to 5			
Tetrasodium EDTA	64-02-8	0 to 5			
Dye	N/A	0 to 5			

**SECTION 3-PHYSICAL DATA**

<b>Boiling Point (°F):</b> 210 F.	<b>Specific Gravity:</b> 1.074
<b>Vapor Pressure:</b> 20mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 80+	<b>pH:</b> 13.0-13.5
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Slightly viscous blue liquid with characteristic odor.	

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used):</b> N/A	<b>Lower Explosion Limit:</b> N/A
<b>Upper Explosion Limit:</b> N/A	<b>Extinguishing Media:</b> N/A
<b>Special Firefighting Procedures:</b> Non Flammable	
<b>Unusual Fire and Explosion Hazards:</b> N/A	

**SECTION 5-REACTIVITY DATA**

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Alkaline vapors in a fire.	<b>Incompatibility (Materials to Avoid):</b> Strong acids.

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floor. Keep container closed during storage. For institutional and industrial use only. Corrosive. Avoid contact with eyes, skin and clothing. Wear rubber gloves and eye protection when handling. Avoid breathing of vapors or mists. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Skin irritant. May cause moderate reddening and swelling.  
**Eyes:** Severe eye irritant. Liquid and mists may damage eyes, causing corneal damage.  
**Inhalation:** Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.  
**Ingestion:** Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting and diarrhea. Excessive amounts may cause collapse.  
**First Aid Procedures:**  
**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Use in well-ventilated area.  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Chemical resistant rubber or neoprene.  
**Eye Protection:** Chemical splash goggles or full-face shield.  
**Other Protective Equipment:** Eye wash station nearby. Chemical resistant rubber outerwear and rubber boots when using.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

**SECTION 10-REGULATORY INFORMATION**

<b>SARA Title III - Section 311/312 -Hazard Categories:</b> No - Fire Hazard No - Sudden Release of Pressure Hazard No - Reactivity Hazard Yes - Immediate (acute) Health Hazard No - Delayed (chronic) Health Hazard	<b>Shipping Information:</b> FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III (Limited Quantity) FOR CONTAINERS < 1 GALLON : ORM-D	<b>HMIS Hazardous Materials Identification System</b>								
		<table border="1"> <tr> <td><b>Health</b></td> <td><b>3</b></td> </tr> <tr> <td><b>Flammability</b></td> <td><b>0</b></td> </tr> <tr> <td><b>Reactivity</b></td> <td><b>0</b></td> </tr> <tr> <td><b>Personal Protection</b></td> <td><b>D</b></td> </tr> </table>	<b>Health</b>	<b>3</b>	<b>Flammability</b>	<b>0</b>	<b>Reactivity</b>	<b>0</b>	<b>Personal Protection</b>	<b>D</b>
<b>Health</b>	<b>3</b>									
<b>Flammability</b>	<b>0</b>									
<b>Reactivity</b>	<b>0</b>									
<b>Personal Protection</b>	<b>D</b>									

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)  
 This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product