



**SAG 30/TPD/204KG**  
**Polydimethylsiloxane Emulsion**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By:** Sistersville Plant  
3500 South State Route 2  
FRIENDLY WV 26146

**Revised:** 10/23/2008  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Silicone Emulsion  
**Formula:** Polydimethylsiloxane Emulsion

**HMIS**

Flammability: 0      Reactivity: 0      Health: 0

**NFPA**

Flammability: 0      Reactivity: 0      Health: 0

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Normal precautions common to safe manufacturing practice should be followed in handling and storage.  
Form: Liquid      Color: Opaque white      Odor: Faint

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

No evidence of harmful effects from available information.

**SKIN**

May cause minor irritation. May cause the following effects: Itching - slight local redness

**INHALATION**

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

**EYES**

No evidence of harmful effects from available information.

**MEDICAL CONDITIONS AGGRAVATED**

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**SUBCHRONIC (TARGET ORGAN )**

None known.

**CHRONIC EFFECTS / CARCINOGENICITY**

For additional information, please see Section 11, Toxicological Information.



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**ROUTES OF EXPOSURE**

No anticipated routes of exposure.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT COMPOSITION**

**CAS REG NO.**

**WGT. %**

**A. HAZARDOUS**

**B. NON-HAZARDOUS**

Water	7732-18-5	30 - 60 %
Silica Filled Polydimethylsiloxane	67762-90-7	30 - 60 %
Fatty Acid Ester	Trade secret	5 - 10 %
Fatty Acid Ethoxylate	Trade secret	1 - 5 %

**4. FIRST AID MEASURES**

**INGESTION**

Do NOT induce vomiting. If victim is conscious, give 2 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

**SKIN**

Wash off with soap and water. Get medical attention if symptoms occur.

**INHALATION**

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

**EYES**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN**

Treatment is symptomatic and supportive.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:**

None (aqueous system)



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**FLAMMABLE LIMITS IN AIR - LOWER (%):** Not available  
**FLAMMABLE LIMITS IN AIR - UPPER (%):** Not available

**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**  
Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**  
All standard extinguishing agents are suitable.

**SPECIAL FIRE FIGHTING PROCEDURES**  
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**  
Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

## 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**  
Avoid contact with eyes. Keep away from children. Do not freeze. Stir well before using. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

**STORAGE**  
Keep container closed.

**FURTHER INFORMATION ON STORAGE CONDITIONS**  
Recommended storage between 35F (2C) and 80F (26 C).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS**  
Eyewash stations; Showers; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.



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**RESPIRATORY PROTECTION**

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

**PROTECTIVE GLOVES**

Impermeable or chemical resistant gloves.

**EYE AND FACE PROTECTION**

Safety glasses with side-shields

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	> 100 °C; > 212 °F; Mixture
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	< 20.30
<b>VAPOR DENSITY (AIR=1):</b>	Heavier than air
<b>FREEZING POINT:</b>	0 °C; 32 °F; ca.
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Faint
<b>COLOR:</b>	Opaque white
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>DENSITY:</b>	1.0040 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	No data available
<b>pH:</b>	No data available
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	5 %(m)
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	No data available



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**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

After evaporation of water, combustion will generate:; Carbon oxides; Oxides of silicon.; formaldehyde; Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.; Acute overexposure to the products of combustion may result in irritation of the respiratory tract.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None currently known.

**CONDITIONS TO AVOID**

None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE INHALATION**

Remarks: No data available

**OTHER**

No data available

**SENSITIZATION**

No data available

**MUTAGENICITY**

No data available

**OTHER EFFECTS OF OVEREXPOSURE**

No adverse effects anticipated from available information.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGY**

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.



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**ECOTOXICITY**

No data available

**DISTRIBUTION**

No data available

**CHEMICAL FATE**

No data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**Further Information:**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**15. REGULATORY INFORMATION**

**Inventories**

Canada DSL Inventory	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory
EU list of existing chemical substances	y (positive listing)	The preparation contains a polymer. The monomers for this polymer have been notified.

