

# StanChem Inc.

## MATERIAL SAFETY DATA SHEET

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### Section I –CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Product Name: SC 5186  
Product Description: Vinyl Acetate Homopolymer Emulsion

Manufacturer's Name

StanChem Inc.  
401 Berlin Street  
East Berlin, CT 06023

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300  
CHEMTREC (Outside the US): 01-703-527-3887  
Information Telephone Number: (860) 828-0571

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### Section II -COMPOSITION/INFORMATION ON INGREDIENTS

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<u>SC 5186</u>	<u>CAS REG NO.</u>	<u>AMT.(%)</u>
Polymer/Solids	Proprietary	54.5 – 55.5
Individual residual monomers	Not Required	< 0.1
Water	7732-18-5	44.5 – 45.5

See Section VIII, Exposure Controls/Personal Protection

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### Section III – HEALTH HAZARDS

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Primary Routes of Exposure

Inhalation  
Eye Contact  
Skin Contact

Inhalation:

Inhalation of vapor or mist can cause the following:  
Headache, irritation of the nose, throat, and lungs-nausea

Eye Contact:

Direct contact with material can cause the following:  
Slight irritation

Skin Contact:

Prolonged or repeated skin contact can cause the following:  
Slight skin irritation

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**Section IV –FIRST AID MEASURES**

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**Inhalation:**

Move subject to fresh air.

**Eye Contact:**

Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

**Skin Contact:**

Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

**Ingestion:**

If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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**Section V – FIRE FIGHTING MEASURES**

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Flash Point	Noncombustible (Water Solution)
Auto-ignition Temp	Not Applicable
Lower Explosive Limit	Not Applicable
Upper Explosive Limit	Not Applicable

**Unusual Fire and Explosion Hazards:**

Polymers will not burn. However, dried polymer films are capable of burning. Material may spatter if temperatures exceed the boiling point (212°F). After the water is evaporated, decomposition or combustion of the dry solids may generate irritating vapors, monomers, hydrocarbons, CO and CO<sub>2</sub>.

**Special Firefighting Procedures:**

Wear self-contained breathing apparatus and full protective gear.

**Extinguishing Agents:**

Use extinguishing media appropriate for surrounding fire.

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**Section VI – ACCIDENTAL RELEASE MEASURES**

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**Steps to be Taken in Case Material is Released or Spilled:**

Contain spills immediately. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids and diking material to suitable containers for recovery or disposal.

**Caution:**

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Waste Disposal Method:**

Dispose of in accordance with local, state and federal regulations.

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Section VII – HANDLING AND STORAGE INFORMATION

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**Storage Conditions:**

Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1° C/34° F. The highest recommended storage temperature for this material is 49° C/120° F.

**Handling:**

Avoid breathing of vapors. Handle in well-ventilated workspace. When handling, do not eat, drink, or smoke. Avoid contact with skin.

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Section VIII – PERSONAL PROTECTION/EXPOSURE CONTROL

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**Exposure Limit Information**

<u>No.</u>	<u>StanChem</u>	<u>PEL</u>	<u>STEL</u>
1	Polymer/Solids	None	None
2	Individual residual monomers	Not Required	Not Required
3	Water	None	None

PEL – Personal Exposure Limit established by OSHA for 8-hour time period

STEL – Short Term Exposure Limit established by OSHA for 15-minute time period

**Engineering Controls (Ventilation):**

Use local exhaust ventilation with a minimum capture velocity of 100ft./min. (0.5 m/sec) at the point of vapor evolution.

**Respiratory Protection:**

Not required under normal conditions in a well-ventilated workplace. An organic vapor respirator National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors is recommended under emergency conditions.

**Eye Protection:**

Chemical safety glasses.

**Hand Protection:**

Chemical resistant gloves.

**Other Protective Equipment:**

Facilities storing or utilizing this material should be equipped with an emergency shower and eyewash station.

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Section IX – STABILITY AND REACTIVITY DATA

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**Chemical Stability:**

Stable at ambient temperatures. Coagulation may occur following freezing, thawing or boiling.

**Incompatibility: (Conditions/Materials to avoid)**

Strong oxidizers.

**Hazardous Polymerization:**

Will not occur.

**Hazardous Decomposition Products:**

Thermal decomposition may yield oxides of carbon.

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**Section X – PHYSICAL DATA**

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Appearance	Milky Emulsion
Color	White/cream color
State	Liquid
Odor	Slight odor
Boiling Point	100° C (212° F)
Molecular Weight	Mixture
Specific Gravity (Water=1)	1.0-1.1
Vapor Density (Air=1)	<Water
Solubility in Water	Completely (100%)
Percent Volatility	44.5 – 45.5 % (Water)
pH	4.5 – 6.0
Viscosity	1000 - 1400 cps

**Hazard Rating Systems**

<b>NFPA 704*</b>		<b>HMIS**</b>		<b>Key:</b> 0 = Insignificant 1 = Slight    2 = Moderate 3 = High    4 = Extreme B = Eye Protection and gloves
Health:	0	Health:	1	
Flammability	0	Flammability	0	
Reactivity	0	Reactivity	0	
		Personal Protection	B	

\*National Fire Protection Association rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire")

\*\*Hazardous Materials Identification System, National Paint and Coatings Association rating applies to product "as packaged" (i.e., ambient temperature)

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**NOTICE**

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