

# StanChem Inc.

## 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  
Information Telephone Number: (860) 828-0571

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### Section II –HAZARDS IDENTIFICATION

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**Classification of the substance:**

Skin Irritation: Category 2

Eye Irritation: Category 2

**Hazard Pictogram:**



**Signal Word:** Warning

**Hazard Statements:** May be harmful if swallowed

Causes mild skin irritation

Causes eye irritation

May cause respiratory irritation

**Precautionary Statements:**

**First Aid:**

**Inhalation:** Remove individual to fresh air. Consult a physician.

**Skin:** Wash thoroughly with soap and water. Remove contaminated clothing.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

**Ingestion:** Dilute with clear fluid, then immediately call a physician or the Poison Control Center

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### Section III -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 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°

**Handling:**

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

**Section VIII – PERSONAL PROTECTION/EXPOSURE CONTROL**

**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.

**Section IX – PHYSICAL DATA**

|                            |                       |
|----------------------------|-----------------------|
| 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       |

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Section X – 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 XI - TOXICOLOGICAL INFORMATION

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**Primary Routes of Exposure**

Eye Contact  
Skin Contact  
Inhalation  
Ingestion

**Product Toxicology**

Unlikely to cause harmful effects under recommended conditions of handling and use.

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Section XII - ECOLOGICAL INFORMATION

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**Potential to Bioaccumulate:**

Unknown

**Aquatic Toxicity:**

None established.

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Section XIII – DISPOSAL CONSIDERATIONS

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**Waste Disposal Methods:**

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

**Empty Container Warnings:**

Empty containers may contain product residue; follow MSDS and label warnings even after the container has been emptied.

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Section XIV – TRANSPORTATION INFORMATION

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**DOT CLASSIFICATION**

**Proper Shipping Name:** Adhesives N.O.I.

**Identification Number:** N/A

**Hazard Class/Division:** N/A

**Packing Group:** N/A

The information provided herein may not include the impact of additional regulatory requirements (e.g. for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/or marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

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**Section XV – REGULATORY INFORMATION**

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**TSCA**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

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**Section XVI – OTHER INFORMATION**

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**Hazard Rating Systems**

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