

StanChem Inc.

SAFETY DATA SHEET

Section I –CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SC 7104
Product Description: Polyvinyl Alcohol Solution

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

Section II –HAZARDS IDENTIFICATION

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

Section III -COMPOSITION/INFORMATION ON INGREDIENTS

<u>SC 7104</u>	<u>CAS REG NO.</u>	<u>AMT.(%)</u>
Polymer/Solids	Proprietary	19.5 – 20.5
Individual residual monomers	Not Required	< 0.1
Water	7732-18-5	79.5 – 80.5

See Section VIII, Exposure Controls/Personal Protection

Section IV –FIRST AID MEASURES

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.

Section V – FIRE FIGHTING MEASURES

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 CO₂.

Special Firefighting Procedures:

Wear self-contained breathing apparatus and full protective gear.

Extinguishing Agents:

Use extinguishing media appropriate for surrounding fire.

Section VI – ACCIDENTAL RELEASE MEASURES

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.

Section VII – HANDLING AND STORAGE INFORMATION

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	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

NE – Not Established

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. A respirator that is NIOSH (National Institute for Occupational Safety and Health) 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	79.5 – 80.5 % (Water)
pH	4.5 – 6.5
Viscosity	< 5,000 cps

Section X – STABILITY AND REACTIVITY DATA

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.

Section XI - TOXICOLOGICAL INFORMATION

Primary Routes of Exposure

Eye Contact
Skin Contact
Inhalation
Ingestion

Product Toxicology

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

Section XII - ECOLOGICAL INFORMATION

Potential to Bioaccumulate:

Unknown

Aquatic Toxicity:

None established.

Section XIII – DISPOSAL CONSIDERATIONS

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.

Section XIV – TRANSPORTATION INFORMATION

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.

Section XV – REGULATORY INFORMATION

TSCA

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

Section XVI – OTHER INFORMATION

Hazard Rating Systems

NFPA 704*		HMIS**		Key:	0 - Insignificant;
Health:	0	Health:	1	1=Slight	2 = Moderate;
Flammability	0	Flammability	0	3=High	4= Extreme;
Reactivity	0	Reactivity	0	B= Eye Protection and gloves	
		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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