StanChem Inc.

MATERIAL SAFETY DATA SHEET

Section I –CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SC 6503**
Product Description: **Vinyl Acetate - Acrylic Copolymer 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

Section II -COMPOSITION/INFORMATION ON INGREDIENTS

SC 6503	CAS REG NO.	AMT.(%)
Polymer/Solids	Proprietary	51.0 – 54.0
Vinyl Acetate	108-05-4	0.1 – 1.0
Individual Residual Monomers	Not Required	<0.1
Water	7732-18-5	46.0 – 49.0

See Section VIII, Exposure Controls/Personal Protection

Section III – HEALTH HAZARDS

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

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 (212ºF). 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 1º C/34º F. The highest recommended storage temperature for this material is 49º C/120º F.

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

Component	OSHA - PEL	OSHA - STEL	ACGIH – TWA	ACGIH - STEL
Polymer/Solids	None	None	None	None
Vinyl Acetate	10 ppm	20 ppm	10 ppm	15 ppm
Individual residual monomers	Not Required	Not Required	Not Required	Not Required
Water	None	None	None	None

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

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

TWA – Time Weighted Average established by ACGIH for 8-hour 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 – 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 X – PHYSICAL DATA

Appearance	**Milky Emulsion**
Color	**White/cream color**
State	**Liquid**
Odor	**Slight odor**
Boiling Point	**100º C (212º F)**
Molecular Weight	**Mixture**
Specific Gravity (Water=1)	**1.0-1.1**
Vapor Density (Air=1)	**<Water**
Solubility in Water	**Completely (100%)**
Percent Volatility	**46.0 – 49.0 % (Water)**
pH	**6.0 – 8.0**
Viscosity	**1000 - 1500 cps**

Section XI - TOXICOLOGICAL INFORMATION

Primary Routes of Exposure

Eye Contact
Skin Contact
Inhalation
Ingestion

Chronic (Long Term) Effects of Exposure

Product contains residual vinyl acetate, an IARC 2B possible human carcinogen. Vinyl acetate vapors have been shown to cause tumors in the respiratory tract of laboratory animals exposed to 600 ppm over a lifetime; 200 ppm causes irritation; 50 ppm produces no observable effect. There is no evidence of adverse effects to humans exposed to levels at or below the ACGIH TLV.

Target Organs: Skin
Carcinogen: No

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 – DISPOSALCONSIDERATIONS

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

This information provided for general information only.
FOR NON-BULK SHIPMENTS
FOR MORE COMPLETE TRANSPORATION REGULATORY INFROMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENTS OF THIS PRODUCT.

DOT CLASSIFICATION

Proper Shipping Name: Adhesives N.O.I.

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 are on the TSCA inventory.

SARA Title III

Component	CAS No.	Concentration (%)
Vinyl Acetate	108-05-4	0.5

California Proposition 65

Warning: This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical(s) are present in trace amounts.

Component	CAS No.
1,4-dioxane	123-91-1
Acetaldehyde	75-07-0
Di(2-ethylhexyl)phthalate	117-81-7
Ethyl Acrylate	140-88-5
Ethylene Oxide	75-21-8
Formaldehyde	50-00-0

Section XVI – OTHER INFORMATION

Hazard Rating Systems

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

*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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