

StanChem Inc.

MATERIAL SAFETY DATA SHEET

Section I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SC 6201
Product Description: 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

<u>SC 6201</u>	<u>CAS REG NO.</u>	<u>AMT.(%)</u>
Polymer/Solids	Proprietary	45.0 – 46.0
Individual residual monomers	Not Required	< 0.1
Water	7732-18-5	54.0 – 55.0

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 (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° 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.

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 – 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	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	54.0 – 55.0% (Water)
pH	9.0 – 10.0
Viscosity	<400 cps

Hazard Rating Systems

<u>NFPA 704*</u>		<u>HMIS**</u>		Key:
Health:	0	Health:	1	
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)

Section XV – REGULATORY INFORMATION

California Proposition 65

This product contains the following minor constituent(s) known to the State of California to cause cancer:

<u>Component</u>	<u>CAS #</u>
1,4-dioxane	123-91-1
Acrylamide	79-06-1
Ethyl Acrylate	140-88-5
Formaldehyde	50-00-1
n-Methylolacrylamide	924-42-5

This product contains the following minor constituent(s) known to the State of California to cause cancer and birth defects or other reproductive harm:

<u>Component</u>	<u>CAS #</u>
Ethylene Oxide	75-21-8

NOTICE

This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of StanChem's knowledge or obtained from sources believed by StanChem to be accurate. StanChem does not assume any legal responsibility for use or reliance upon same information. Customers are encouraged to conduct their own tests. For additional technical information contact StanChem.