

StanChem Inc.

MATERIAL SAFETY DATA SHEET

Section I –CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SC 6088
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 6088</u> | <u>CAS REG NO.</u> | <u>AMT.(%)</u> |
|------------------------------|--------------------|----------------|
| Polymer/Solids | Proprietary | 53.0 – 54.0 |
| Individual residual monomers | Not Required | < 0.1 |
| Water | 7732-18-5 | 46.0 – 47.0 |

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 (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 | 46.0 – 47.0% (Water) |
| pH | 4.0 – 5.0 |
| Viscosity | 100 - 500 cps |

Hazard Rating Systems

| NFPA 704* | | HMIS** | | Key: 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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