

# StanChem Inc.

## SAFETY DATA SHEET

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### Section I –CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** NP4529-1  
**Product Description:** Acrylic Copolymer Emulsion

**Manufacturer's Name**  
StanChem Inc.  
401 Berlin Street  
East Berlin, CT 06023

**Emergency Telephone Numbers:**  
(860) 828-0571

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### Section II –HAZARDS IDENTIFICATION

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**Hazard Pictogram:**



**Signal Word:** Warning

**Hazard Statements:** May be harmful if swallowed  
Causes mild skin irritation  
Causes eye irritation  
May cause respiratory irritation

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### Section III -COMPOSITION/INFORMATION ON INGREDIENTS

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| NP4529-1                     | <u>CAS REG NO.</u> | <u>AMT.(%)</u> |
|------------------------------|--------------------|----------------|
| Polymer/Solids               | Proprietary        | 55.0 – 56.0    |
| Individual residual monomers | Not Required       | < 0.1          |
| Water                        | 7732-18-5          | 44.0 – 45.0    |

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.

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, HCN, 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° 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.

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

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**Exposure Limit Information**

| <u>No.</u> | <u>StanChem</u> | <u>PEL</u> | <u>STEL</u> |
|------------|-----------------|------------|-------------|
| 1          | Polymer/Solids  | None       | None        |
| 2          | Acrylonitrile   | 2 ppm      | NE          |
| 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

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.

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**Section IX – 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 X – PHYSICAL DATA

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|                            |                        |
|----------------------------|------------------------|
| 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         | 44.0 – 45.00 % (Water) |
| pH                         | 7.0 – 8.0              |
| Viscosity                  | < 1000 cps             |

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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.

California Proposition 65

Warning: This product contains chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

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Section XVI – OTHER INFORMATION

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Hazard Rating Systems

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