

# SAFETY DATA SHEET

PRODUCT CODE: 813

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** NP813  
**PRODUCT CODES:** 813

**MANUFACTURER:** National Polymers Inc.  
**STREET ADDRESS:** 9 Guttman Avenue  
**CITY, STATE, ZIP:** Charleroi, Pa. 15022

**INFORMATION PHONE:** 724-483-9300  
**EMERGENCY PHONE:** Chemtrec 800-424-9300  
**FAX PHONE:** 724-483-9306

**PREPARED BY:** Harry Jackson

**DATE REVISED:** 1/2/15

**Chemical Name or Class:** Acrylic solution

## SECTION 2: HAZARDS IDENTIFICATION

### Hazard Overview

**GHS Classification:** This material is not hazardous under the criteria of the Federal OSHA hazard Communication Standard 29CFR 1910.1200

### GHS Label Elements and Precautionary Statements:

**Label Elements:** None

**Hazard Statements:** None

**Precautionary statements:**

P102 Keep out of reach of children.

P103 Read label before use

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention

**Disposal:**

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

### HMIS HAZARD CLASSIFICATION

**HEALTH: 1      FLAMMABILITY: 0      REACTIVITY: 0      PERSONAL PROTECTIVE EQUIPMENT: B**

### POTENTIAL HEALTH EFFECTS

**EYES:**

MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.

**SKIN:**

MAY CAUSE IRRITATION OR REDNESS AFTER EXPOSURE.

**INGESTION:**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

**INHALATION:**

VAPORS MAY CAUSE HEADACHE, NAUSEA, NOSE IRRITATION, AND THROAT OR LUNG IRRITATION.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

HEATED VAPORS MAY CAUSE HEADACHE, NAUSEA, OR SIMILAR RESPONSE.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

MAY AGGRAVATE PRE-EXISTING SKIN DISORDERS.

**CARCINOGENICITY**

OSHA: NO      NTP: yes      IARC: yes

**ADDITIONAL CARCINOGENICITY INFORMATION:**

CONTAINS VINYL ACETATE and ACETALDEHYDE IN VERY SMALL QUANTITIES

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u>               | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|---------------------------------|----------------|-----------------|------------------|------------------|-----------------|
| Vinyl acetate/acrylic copolymer | Not Hazardous  | NONE            | NONE             | NONE             | 40-70           |
| Individual acrylic monomers     | Not Required   | NONE            | NONE             | NONE             | <0.005%         |
| *Vinyl Acetate                  | 108-05-4       | 10ppm           | 10ppm            | 15ppm            | <0.04%          |
| *Acetaldehyde                   | 75-07-0        | 100ppm          | 100ppm           | 150ppm           | <0.095%         |
| Water                           | 7732-18-5      | NONE            | NONE             | NONE             |                 |

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\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**Note:** Ingredients listed without percentages, the percentages are considered a trade secret.

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## SECTION 4: FIRST AID MEASURES

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### EYES:

FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

### SKIN:

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

### INGESTION:

DILUTE BY GIVING MILK OR WATER. CONSULT WITH A PHYSICIAN TO DETERMINE IF MEDICAL ASSISTANCE IS WARRANTED.

### INHALATION:

REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR,**  
(% by volume)

**UPPER:** not available

**LOWER:** not available

**FLASH POINT:** >212F

**METHOD USED:**

SETA FLASH

**EXTINGUISHING MEDIA:**

OTHER

**SPECIAL FIRE FIGHTING PROCEDURES:**

WEAR SELF CONTAINED BREATHING APPARATUS (PRESSURE DEMAND, MSHA/NIOSH-APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

POLYMER FILM CAN BURN. MATERIAL CAN SPLATTER ABOVE 212 DEGREES FARENHEIT.

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## SECTION 6: RELEASE MEASURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBANT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. KEEP MATERIAL FROM ENTERING WATERWAYS.

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## SECTION 7: HANDLING AND STORAGE

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

STORE IN COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. KEEP MATERIAL FROM FREEZING.

**OTHER PRECAUTIONS:**

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED CLOTHING SHOULD BE CLEANED PRIOR TO REUSING. MONOMER VAPORS CAN BE EVOLVED WHEN PRODUCT IS HEATED; IN SUCH A CASE USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF AT LEAST 100FT/MIN AT THE POINT OF VAPOR EVOLUTION. REFER TO INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE PUBLISHED BY THE AMERICAN GOVERNMENTAL INDUSTRIAL HYGIENISTS.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**RESPIRATORY PROTECTION:**

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. MECHANICAL EXHAUST AT POINT OF VAPOR OR MIST IS RECOMMENDED.

**VENTILATION:**

MECHANICAL LOCAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

**PROTECTIVE GLOVES:**

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

**EYE PROTECTION:**

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

**WORK HYGIENIC PRACTICES:**

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

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SEE SECTION THREE FOR OCCPATONAL EXPOSURE LIMIT VALUES.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** LOW VISCOSITY LIQUID – MILKY WHITE – VINYL ACETATE ODOR  
**BOILING POINT OR RANGE:** 212F  
**VAPOR DENSITY (AIR = 1):** N/A  
**SPECIFIC GRAVITY (H2O = 1):** 1.1  
**EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER:** DILUTABLE

**Odor Threshold:** N/A  
**pH:** N/A  
**Melting point/freezing point:** N/A  
**Vapor Pressure:** N/A  
**Auto Ignition Temperature:** N/A  
**Partition Coefficient: n-octanol/water:** N/A  
**Decomposition Temperature:** N/A

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:**  
**STABLE**  
**CONDITIONS TO AVOID (STABILITY):**  
**POLYMER DECOMPOSITION OCCURS AT OR ABOVE 350 DEGREES FARENHEIT AND IS DEPENDANT ON TIME AND TEMPERATURE.**  
**INCOMPATIBILITY (MATERIAL TO AVOID):**  
**NONE KNOWN**  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**  
**NONE KNOWN.**  
**HAZARDOUS POLYMERIZATION:**  
**WILL NOT OCCUR**

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**No data for the product itself.**

**Component data:**

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity: LD50 rat > 5,000 mg/kg. Acute dermal toxicity: LD50 rabbit > 5,000 mg/kg. Skin irritation: rabbit slight to moderate skin irritation. Eye irritation: rabbit slight to moderate irritation. Subchronic toxicity: Vinyl acetate vapors were shown to cause tumors of the respiratory tract of laboratory rats and mice in lifetime inhalation studies at high exposure levels (2112 mg/m<sup>3</sup>).

**Component: Acetaldehyde:** Acute inhalation toxicity: LC50 rat 4 h 24 mg/l Vapor. Sensitisation: HRIPT (human repeat insult patch test) human May cause sensitization by skin contact.

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## SECTION 12: ECOLOGICAL INFORMATION

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**No data for the product itself.**

**Component data:**

There is no data available for this product.

**Component Acetaldehyde:** Biodegradability: Readily biodegradable OECD 301C. Toxicity to fish: EC50 Pimephales promelas (fathead minnow) 96 h, 30.8 mg/l. Toxicity to algae: EC50 Freshwater algae (Anabaena fols-aquae) 240 h 4,528 - 16,244 mg/l. Toxicity to bacteria: EC50 Photobacterium phosphoreum 0.08 h, 342 mg/l. Toxicity to aquatic invertebrates: EC50 Daphnia magna 48 h, 42 mg/l.

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## SECTION 13: WASTE DISPOSAL

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**WASTE DISPOSAL METHOD:**

**DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.**

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## SECTION 14: Transport Information

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**DOT:** Not Regulated

**IMO/IMDG:** Not Regulated

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## SECTION 15: REGULATORY INFORMATION

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**No data for the product itself.**

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## Component data:

This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). Under processing conditions it may become OSHA hazardous due to the release and exposure potential of vinyl acetate and/or acetaldehyde. This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS). SARA TITLE III:Section 311/312 Categorizations (40CFR370):This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III:Section 313 Information (40CFR372). This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations. CERCLAInformation(40CFR302.4) Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. US. Toxic Substances Control Act (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Pennsylvania Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 3, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act. California (Proposition 65) This product contains a component or components known to the state of California to cause cancer: Acetaldehyde CAS# 75-07-0.

**Component Vinyl Acetate:** ACGIH - Confirmed animal carcinogen with unknown relevance to humans. IARC - Possible carcinogen.

**Component Acetaldehyde:** ACGIH - Confirmed animal carcinogen with unknown relevance to humans. US CA CRT - Carcinogenic. IRIS - Probable human carcinogen - sufficient animal evidence. NIOSH - Potentially carcinogenic. NTP CARC - Anticipated carcinogen. ARC - Possible carcinogen

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## SECTION 16: OTHER INFORMATION

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**DISCLAIMER:** The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation