

# SAFETY DATA SHEET



**Date Issued** : 05/01/2012  
**MSDS No** : 472  
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**Revision No** : 1

**INP - 720**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** INP - 720  
**PRODUCT CODE:** 472, 474  
**ALTERNATE TRADE NAME(S):** INP - 400

### MANUFACTURER

Tarr Acquisition, LLC  
 4115 W. Turney Ave.  
 Phoenix, AZ 85019  
**Service Number:** 602-233-2000

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation)** : (800) 424 - 9300  
**CANUTEC (Canadian Transportation)** : (613) 996 - 6666

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** White powder. odorless. Dust may be irritating to respiratory tract. Irritating, but will not permanently injure eye tissue. Repeated exposure may cause skin dryness or cracking. Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause mechanical irritation. Irritating, but will not permanently injure eye tissue. Low hazard for usual industrial or commercial handling.

**SKIN:** Repeated exposure may cause skin dryness or cracking.

**INGESTION:** Health injuries are not known or expected under normal use. Low hazard for usual industrial or commercial handling.

**INHALATION:** Dust may be irritating to respiratory tract. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CARCINOGENICITY:** Does not contain any substances listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union).

**MEDICAL CONDITIONS AGGRAVATED:** Asthma, Respiratory disorder.

**TARGET ORGAN STATEMENT:** Lungs

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt. %	CAS	EINECS
Polydimethylsiloxane, silica adduct	100	67762-90-7	--

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if redness, swelling, itching, burning or visual disturbances occur.

**SKIN:** Wash thoroughly with soap and water. Seek medical attention if redness, swelling, itching, or burning occurs.

**INGESTION:** Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

**INHALATION:** If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

**NOTES TO PHYSICIAN:** Treat symptomatically and supportively.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Not Determined

**FLAMMABLE LIMITS:** Not determined.

**AUTOIGNITION TEMPERATURE:** Not Determined

**GENERAL HAZARD:** Product resists ignition and does not promote flame spread. May release formaldehyde when heated to high temperatures in the presence of air. Formaldehyde is a known skin and lung sensitizer and is regulated as a carcinogen.

**EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**FIRE FIGHTING EQUIPMENT:** Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus.

**FIRE EXPLOSION:** this material is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, Carbon dioxide, Formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES:** Clean up promptly by vacuum. Use a suitable vacuum cleaner. Do not create dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers. See Section 13.

**RELEASE NOTES:** No special environmental precautions required. Local authorities should be advised if significant spillage cannot be contained.

**SPECIAL PROTECTIVE EQUIPMENT:** Avoid dust formation. Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. See also Section 8.

**7. HANDLING AND STORAGE**

**HANDLING:** Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air. Take precautionary measure against static discharge. All metal parts of the mixing and

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processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

**STORAGE:** Keep containers tightly closed and in a cool, well-ventilated place. Do not store together with volatile chemicals as they may be absorbed onto product. Keep at ambient temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
		EXPOSURE LIMITS	
		OSHA PEL	
Chemical Name		ppm	mg/m <sup>3</sup>
Polydimethylsiloxane, silica adduct	<b>TWA</b>	[1]	6 [1]
<b>OSHA TABLE COMMENTS:</b>			
1. Exposure limits for silica. Amorphous Silica, The regulatory exposure limits are found under the general silica, CAS RN 7631-86-9.			

**ENGINEERING CONTROLS:** Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields or chemical goggles.

**SKIN:** Repeated exposure may cause skin dryness or cracking. Use protective skin cream before handling the product. Wear suitable gloves.

**RESPIRATORY:** Airborne concentrations should be kept to lowest levels possible. NIOSH or MSHA approved respirator may be necessary if local exhaust ventilation is not adequate.

**PROTECTIVE CLOTHING:** Wear suitable protective clothing. No special protective equipment required.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Polydimethylsiloxane, silica adduct	600

**PHYSICAL STATE:** Powder

**ODOR:** None under normal use May exhibit odor at high temperature.

**APPEARANCE:** Clear. Liquid.

**COLOR:** Clear

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**pH:** Not Determined

**VAPOR PRESSURE:** Not Applicable

**BOILING POINT:** 2230°C

**MELTING POINT:** 1700°C

**FLASHPOINT AND METHOD:** Not Determined

**SOLUBILITY IN WATER:** Insoluble

**EVAPORATION RATE:** Not Determined

**DENSITY:** 2.2 at 20°C

**Notes:** g/cm<sup>3</sup>

**SPECIFIC GRAVITY:** Not Applicable

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under normal conditions of handling, use and transportation.

**POLYMERIZATION:** Will not occur under normal conditions.

**CONDITIONS TO AVOID:** Thermal decomposition can take place above 150 deg. C. May release formaldehyde when heated to high temperatures in the presence of air. Formaldehyde is a known skin and lung sensitizer and is regulated as a carcinogen. Keep away from heat and sources of ignition. Avoid dust formation. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Product resists ignition and does not promote flame spread.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, Carbon dioxide, Formaldehyde.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

**DERMAL LD<sub>50</sub>:** Not Available

**ORAL LD<sub>50</sub>:** > 5000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** No data available.

**EYE EFFECTS:** Eye irritation: Primary irritation index = 0 @ 48 hr. Non irritating.

**SKIN EFFECTS:** Skin irritation: Primar irritation index = 0. Non-irritating.

**CHRONIC:** Due to the product's physical characteristics, no suitable testing procedure is available.

**SUBCHRONIC:** No data available on the product itself.

**CARCINOGENICITY**

**Notes:** This product is not known or reported to be carcinogenic by any reference source including IARC (International Agency for Research on Cancer), OSHA (Occupational Safety and Health Administration), NTP (National Toxicology Program), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union).

**SENSITIZATION:** Contains no known sensitizers.

**REPRODUCTIVE EFFECTS:** No data available on the product itself. According to experience not expected.

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**MUTAGENICITY:** Not mutagenic in AMES Test, chromosomal aberration in Chinese hamster ovary (CHO) cells.

**SYNERGISTIC MATERIALS:** None reasonably foreseeable.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Not Determined

**BIOACCUMULATION/ACCUMULATION:** Not determined. Related chemicals are known to be non-accumulating in the environment.

**DISTRIBUTION:** Not determined. Not expected to migrate.

**AQUATIC TOXICITY (ACUTE):** Acute Toxicity for Silicon Dioxide based on data on the components and the toxicology of similar products:

Fish (Brachydanio rerio) NOEC (96 hours): = 10,000 mg/l; (Method: OECD 203)

Aquatic Invertebrates (Daphnia magna) NOEC (24 hours): = 10,000 mg/l (Method: OECD 22)

Plants (alga) EC50 (72 hour growth inhibition) = > 10,000 mg/l (Method: OECD 201)

**COMMENTS:** Persistence/Degradability: The methods for determining biodegradability are not applicable to inorganic substances.

**13. DISPOSAL CONSIDERATIONS**

**RCRA/EPA WASTE INFORMATION:** Unused and Uncontaminated product: Product, as supplied, should be disposed in accordance with the regulations issued by the appropriate federal, state and local authorities. Same consideration should be given to containers and packaging.

**RCRA HAZARD CLASS:** Not classified as a RCRA Hazardous Waste.

**COMMENTS:** Disclaimer: Information in this section pertains to the products shipped in its intended composition as described in Section 3 of the MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not DOT Regulated as a hazardous material.

**MARINE POLLUTANT #1:** No

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** To the best of our knowledge, this product is not reportable under SARA 311/312. Reporting may be required if the material is present at any one time in amounts equal to or greater than 10,000 pounds.

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, this product is not listed as a toxic chemical under Section 313 of SARA Title III.

**302/304 EMERGENCY PLANNING**

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**EMERGENCY PLAN:** To the best of our knowledge, none of the chemicals in this product are listed as an extremely hazardous substance under Section 302 of SARA Title III nor does this product contain any other such substances.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Polydimethylsiloxane, silica adduct	67762-90-7

**TSCA STATUS:** Listed.

**GENERAL COMMENTS:** The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**16. OTHER INFORMATION**

**PREPARED BY:** COMPLIANCE DEPT.

**REVISION SUMMARY:** This MSDS replaces the 05/02/2012 MSDS. Revised: **Section 1: PRODUCT CODE.**

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered.

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