



# Material Safety Data Sheet

72613D

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## POLYCLAR® PLUS 730

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Company/Undertaking Identification:</b>	International Specialty Products 1361 Alps Rd. Wayne, N.J. 07470 U.S.A. Telephone: (973) 628-4000
<b>Emergency Telephone:</b>	CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA) (Spill Related Emergencies) PROSAR: 1-800-241-7439 (Health Related Emergencies)
<b>Prepared By:</b>	Product Stewardship
<b>Product Code:</b>	72613D
<b>Product Name:</b>	POLYCLAR® PLUS 730
<b>CAS-No:</b>	112926-00-8* (7631-86-9); 9003-39-8
<b>CAS Name:</b>	Amorphous silica gel ; 2-Pyrrolidinone, 1-ethenyl-, homopolymer

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

POWDERED MATERIALS MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

White powder

Odorless

#### Hazard Summary

##### Target Organs:

- None effected.

##### Primary Routes of Entry:

Eyes. Skin. Inhalation. Ingestion.

##### Acute Health Hazard:

None known.

##### Chronic Health Hazard:

None known

#### Symptoms of Overexposure

##### Eye Contact:

Not hazardous

##### Skin Contact:

Not hazardous

##### Ingestion:

Not hazardous

##### Inhalation:

Not hazardous

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:	Weight %
Amorphous silica gel 112926-00-8	70
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8	30

#### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush eyes with copious amounts of water.
<b>Skin Contact:</b>	Wash off with soap and water.
<b>Ingestion:</b>	Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.
<b>Inhalation:</b>	Not hazardous by inhalation. Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Get medical attention if symptoms occur.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	All types
<b>Combustion/Explosion Hazards:</b>	Powdered material may form explosive dust-air mixtures. This material has an explosion hazard less than Pittsburgh coal dust.

**Special Protective Equipment For Fire-Fighters:** Wear self-contained breathing apparatus and protective suit.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear suitable protective equipment.
<b>Methods for Cleaning Up:</b>	Soak up with inert absorbent material.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid dust formation. Avoid dust accumulation in enclosed space. Wash thoroughly after handling.
<b>Storage:</b>	Keep container tightly closed. Keep in a dry, cool place. Keep away from direct sunlight.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Measures:</b>	Use only in well-ventilated areas.
<b>Respiratory Protection:</b>	Use only in well-ventilated areas.
<b>Hand Protection:</b>	Wear protective gloves.
<b>Eye Protection:</b>	Safety glasses.
<b>Exposure Limits:</b>	

Components:	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Amorphous silica gel 112926-00-8 (70)	No TLV/TWA Established	(80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA 20 mppcf TWA
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8 (30)	No TLV/TWA Established	No TLV/TWA Established

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	4-10 (10% solution)

<b>Specific Gravity:</b>	1.8
<b>Boiling Point (°F):</b>	Not determined
<b>Melting/Freezing Point (°F):</b>	Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Solubility:</b>	Insoluble in Water
<b>Flash Point (°F):</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerization:</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid:</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid dust formation. Avoid dust accumulation in enclosed space.
<b>Materials to Avoid:</b>	Strong oxidizing agents, Strong reducing agents
<b>Hazardous decomposition products:</b>	nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

### Toxicity Test:

<b>Acute Oral Toxicity:</b>	>10,000 mg/kg (tested on analogous PVP) >31,000 mg/kg (Rat) (48hr.)(Amorphous silica)
<b>Acute Dermal Toxicity:</b>	>2,000 mg/kg (Rabbit)(48hr.)(Amorphous silica)
<b>Eye Irritation:</b>	Non-irritating to rabbit eye. (tested on analogous polymer)
<b>Skin Irritation:</b>	Non irritating (Human RIPT). (tested on analogous polymer)
<b>Sensitization:</b>	Human RIPT: Non-sensitizing (tested on analogous material)
<b>Mutagenicity:</b>	Non-mutagenic. (Ames Assay; Dominant Lethal Test on mice; L5178Y Mouse (TK+/-) Lymphoma Assay; Bone Marrow Chromosomal Aberration Assay; BALB/C 3T3 Transformation) (tested on analogous material)
<b>Reproductive/Developmental Toxicity:</b>	Various studies of the reproductive toxicity of PVP in rats and rabbits produced no evidence of embryo toxicity or teratogenicity.
<b>Carcinogenicity:</b>	Exposure of dogs and various rodent species to PVP via the diet, injection and implant at up to 10% produced no signs of carcinogenic activity. Exposure up to 10% in the diets of rats and dogs produced no signs of toxicity or carcinogenic potential.  No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>Other Information:</b>	Sub-Chronic Oral Toxicity: Exposure up to 10% in the diets of rats produced no signs of toxicity. Exposure up to 10% in the diet of dogs produced no signs of toxicity. (tested on analogous PVP)

## 12. ECOLOGICAL INFORMATION

<b>Persistence and Degradability:</b>	Readily Biodegradability: Not readily biodegradable (11% in 28 Days) (tested on analogous material)
<b>Ecotoxicity:</b>	Juvenile Turbot: 96-hr. LC50 >1,000 mg/L Corophium Volutator; 10-Day LC50 >1,000 mg/L Marine Algae; 72-hr. EC50 >1,000 mg/L Salmon; PVP at up to 5% in the diet during smolt produced no signs of toxicity. Salmon; PVP at up to 5% in the diet for 112 days did not produce any signs of toxicity. (tested on analogous material)

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Dispose of in accordance with local regulations.
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## 14. TRANSPORT INFORMATION

### Land Transport:

*DOT (Non-Bulk):*

<b>UN/NA Number:</b>	NONE
<b>Proper Shipping Name:</b>	NOT REGULATED

**Hazard Class:** NONE

*DOT (Bulk):*

<b>UN/NA Number:</b>	NONE
<b>Proper Shipping Name:</b>	NOT REGULATED

### Air Transport (IATA):

<b>UN Number:</b>	NONE
<b>Proper Shipping Name:</b>	NOT REGULATED

**Hazard Class:** NONE

### Sea Transport (IMO):

<b>UN/ID Number:</b>	NONE
<b>Proper Shipping Name:</b>	NOT REGULATED

**Hazard Class:** NONE

### TDG (Canada):

<b>Proper Shipping Name:</b>	NOT REGULATED
<b>Hazard Class:</b>	NONE

## 15. REGULATORY INFORMATION

<b>TSCA Inventory List:</b>	This product and/or its components does not comply with TSCA
<b>California Proposition 65 Carcinogens &amp; Reproductive Toxicity (CRT) List:</b>	This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.
<b>WHMIS Ingredient Disclosure List:</b>	One or more components of this product is listed on the WHMIS Ingredient Disclosure list.
<b>Canada DSL Inventory List:</b>	This product and/or its components are listed or exempt from the DSL Inventory
<b>Canada NDSL Inventory List:</b>	This product and/or its components does not comply with NDSL

**Japan Inventory of Existing & New Chemical Substances (ENCS):**

This product and/or its components does not comply with ENCS

**Australia Inventory of Chemical Substances (AICS) List:**

This product and/or its components are listed or exempt from the AICS Inventory

**European Inventory of Existing Commercial Chemical Substances (EINECS):**

This product and/or its components does not comply with EINECS

**EU List of Notified Chemical Substances (ELINCS)**

This product and/or its components does not comply with ELINCS

## 16. OTHER INFORMATION

**Notes:**

\*Revised 1990 CAS No. for amorphous silica.

**NFPA Rating:**

Health: 1 Flammability: 0 Reactivity: 0.

**HMIS RATING:**

**HEALTH**

1

**FLAMMABILITY**

0

**PHYSICAL HAZARD**

0

**Prepared By:**

Product Stewardship

**MSDS sections updated:**

This data sheet contains changes from the previous version in section(s) 2,11

**Legend:**

N.Av.= Not Available; N.A.= Not Applicable

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**\*\*\*End of Safety Data Sheet\*\*\***