



# SAFETY DATA SHEET (1907/2006)

722711

Revision Date: 07/16/2009  
Issuing Date: 07/16/2009

## POLYCLAR® 10

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

#### Identification of the substance or preparation

**Product Code:** 722711  
**Product Name:** POLYCLAR® 10  
**Formula:** (C<sub>6</sub>H<sub>9</sub>NO)<sub>x</sub>  
**Company/Undertaking Identification:** ISP CHEMICALS LLC,  
Rt. 95 Industrial Area,  
455 N. Main Street,  
Calvert City, Kentucky 42029  
  
Distributed By:  
ISP (Great Britain) Co. Ltd.  
Waterfield, Tadworth  
Surrey KT20 5HQ, United Kingdom  
Tel: +44 1737 377 000  
  
**E-mail Address:** MSDS@ISPCORP.COM  
**Synonyms:** Poly(Vinylpolypyrrolidone)  
**Emergency Telephone:** +32.3.575.55.55 (SGS)  
**Prepared By:** Product Stewardship  
**Product Use Description:** Beverage

### 2. HAZARDS IDENTIFICATION

**EU Classification:** This preparation is not classified as dangerous according to European Union Legislation

#### Hazard Summary

**Target Organs:** • None.  
**Primary Routes of Entry:** Eyes. Skin. Ingestion. Inhalation.  
**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 %	EU Classification	REACH Classification	ECC Number
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8	100	NA	N/A	NA

### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush with plenty 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>	May form explosive dust-air mixture
<b>Special Protective Equipment For Fire-Fighters:</b>	Wear self-contained breathing apparatus and protective suit.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear suitable protective equipment.
<b>Environmental Precautions:</b>	None known.
<b>Methods for Cleaning Up:</b>	Clean up promptly by scoop or vacuum. Minimize dust generation and accumulation.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid generating or breathing dust. 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>Environmental Controls:</b>	Not determined.

#### Exposure Limits:

Components:	German Recommended Exposure Limits (MAK):	UK Workplace Exposure Limits (WELs)
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8 (100)	Not determined	Not determined

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Powder
<b>Color:</b>	White/off-white
<b>pH:</b>	5.0-11.0 (1% solution)
<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

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions.
<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 (NO <sub>x</sub> )

## 11. TOXICOLOGICAL INFORMATION

### Toxicity Test:

<b>Acute Oral Toxicity:</b>	>5000 mg/kg (Mice/Rats)
<b>Acute Dermal Toxicity:</b>	Not Determined
<b>Acute Inhalation Toxicity:</b>	Not Determined
<b>Eye Irritation:</b>	Non-irritating to rabbit eye. (PVP)
<b>Skin Irritation:</b>	Non irritating (Human RIPT). (PVP)
<b>Sensitization:</b>	Human RIPT: Non-sensitizing (PVP)
<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) (PVP)
<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>Teratogenicity:</b>	Non-teratogenic
<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.
<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) (PVP)
<b>Ecotoxicity:</b>	Juvenile Turbot: 96-hr. LC50 >1,000 mg/L (PVP) Corophium Volutator; 10-Day LC50 >1,000 mg/L (PVP) Marine Algae; 72-hr. EC50 >1,000 mg/L (PVP) 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.
<b>Bioaccumulative Potential:</b>	Not determined
<b>Mobility:</b>	Not determined

## 13. DISPOSAL CONSIDERATIONS

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

<b>Land Transport:</b>	
<i>DOT (Non-Bulk):</i>	Not regulated DOT
<i>DOT (Bulk):</i>	
<b>Air Transport (IATA):</b>	Not regulated IATA
<b>Sea Transport (IMO):</b>	Not regulated IMDG
<b>ADR:</b>	Not regulated ADR

## 15. REGULATORY INFORMATION

<b>Classification:</b>	No dangerous ingredients according to Regulation (EC) No. 1907/2006
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<b>TSCA Inventory List:</b>	This product and/or its components are listed or exempt from the TSCA Inventory
<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>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
<b>European Inventory of Existing Commercial Chemical Substances (EINECS):</b>	This product and/or its components are listed or exempt from the EINECS Inventory
<b>EU List of Notified Chemical Substances (ELINCS)</b>	This product and/or its components does not comply with ELINCS
<b>Germany VCI Assigned Classification into Water Endangering Classes (WGK) List:</b>	

Components:	Germany VCI Assigned Classification into Water Endangering Classes (WGK) List:
2-Pyrrolidinone, 1-Ethenyl-, Homopolymer 9003-39-8	Annex 3: 2082

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

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

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

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

## 16. OTHER INFORMATION

**Prepared By:**

Product Stewardship

**Revision Date:**

07/16/2009

**MSDS sections updated:**

This data sheet contains changes from the previous version in section(s) 1,9

**Legend:**

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

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