

# MATERIAL SAFETY DATA SHEET

Progel 3

## Rhone-Poulenc Performance Resins & Coatings Division

9808 Bluegrass Parkway  
Louisville, Kentucky 40299

For Emergencies Involving A Spill, Leak, Fire, Exposure, Or Accident Contact  
CHEMTREC (800) 424-9300

For Other Emergencies Phone: (502) 499-4092 or (502) 635-8877

Date Issued: 01/28/92 Supersedes: 11/02/90

### I. IDENTIFICATION & PHYSICAL DATA

**Product Name:** Progel 3

**Percent Volatile by Volume:** Not Applicable

**Product Class:** Galacto-Mannans

**Boiling Range:** Not Applicable

**Manufacturer's I.D. :** 53998

**Bulk Density:** 40 +/- 5 lb/ft<sup>3</sup>

**VOC:** Not Applicable

**Specific Gravity:** 1.3

**Evaporation Rate:** Not applicable

**Vapor Pressure at 20 C:** Not Applicable

**Solubility in Water:** Forms Gel

**Appearance and Odor:** Off white powder with bean like odor.

### II. HAZARDOUS INGREDIENTS

	CAS #	WT. %	OSHA TWA ppm	OSHA STEL ppm	ACGIH TWA ppm	ACGIH STEL ppm
Guar gum, carboxymethyl-2-hydroxypropyl ether, sodium salt	068130-15-4	>99	5 mg/M3 Resp. Dust*	---	---	---
			15 mg/M3 Total Dust*		10 mg/M3 Total Dust*	

\* Limits based on particulates not otherwise regulated.

^ Not established

### III. FIRE & EXPLOSION DATA

**Flashpoint:** >200 F Setflash

**LEL:** No data

#### Extinguishing Media:

Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

#### Unusual Fire & Explosion Hazards:

Like all carbohydrate and most dry organic chemicals, a potential dust explosion hazard exists if the dust concentration in air is too high. Good housekeeping procedures are required to reduce this potential hazard. See Section VIII.

#### Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

### IV. REACTIVITY DATA

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Conditions to Avoid:

Fire, excessive heat.

#### Materials to Avoid:

Strong oxidizing agents.

#### Hazardous Decomposition Products:

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

On the basis of our knowledge, the information contained herein is accurate. However no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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## V. HEALTH HAZARD DATA

### Effects of Overexposure:

#### Ingestion:

Practically nontoxic--LD50(rats) >5 g/kg. See Other Information (Section XV).

#### Inhalation:

No specific information available.

Dust may produce a respiratory allergenic response and/or irritation in some individuals.

**Skin Absorption:** No specific information available.

Expected to be practically nontoxic.

#### Skin Contact:

Essentially nonirritating, but contact may cause slight transient irritation.

#### Eye Contact:

May cause eye injury which may persist for several days.

#### Chronic Effects of Overexposure:

Based on a medical study of exposed workers, some individuals may develop a respiratory allergenic response to guar dust. Persons with a history of respiratory allergies may have those conditions aggravated by exposure to guar dust.

## Emergency & First Aid Procedures:

### Eye Contact:

Flush with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

### Skin Contact:

Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

### Ingestion:

Fluids should be ingested to prevent esophageal obstruction if dry material is swallowed. If appreciable quantities are swallowed, seek medical attention. See Section XV.

### Inhalation:

In case of exposure to a high concentration of dust, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

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## VI. SPILL OR LEAK PROCEDURES

### Steps to Be Taken in Case Material Is Released or Spilled:

For wet material, dike spill and absorb with inert material and collect for disposal. Caution: wet material is slippery.

For dry powder, sweep or scoop-up and collect for disposal. Avoid creating dust clouds and breathing dust.

Spills or releases to the environment may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

### Waste Disposal Method:

Inclinerate or dispose of in a landfill in accordance with federal, state, and local regulations.

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## II. SPECIAL PROTECTION INFORMATION

### Respiratory Protection:

Wear a properly fitted NIOSH/MSHA approved dust or air-line respirator whenever exposure to dust is likely and where ventilation is inadequate.

### Ventilation:

Local Exhaust - Recommended when appropriate to control employee exposure.

Mechanical - Not recommended as the sole means of controlling employee exposure.

### Protective Gloves:

For operations where contact can occur, wear impervious gloves.

**Protection:** Safety goggles.

### Protective Equipment:

For operations where contact can occur, a safety shower and eye wash facility should be available.

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**VIII. SPECIAL PRECAUTIONS**

Store in a dry place. Keep container closed to avoid moisture pickup. Avoid creating dust clouds and breathing dust when handling.

Explosion test data on guar and guar derivatives:	Guar Gum	Guar Derivatives
Minimum Oxygen Concentration (%)	19	18
Minimum Ignition Energy (mJ)	840	40,000 (1)
Minimum Ignition Temperature: Cloud (F)	950	950
Minimum Ignition Temperature: Layer (F)	420	390
Minimum Explosive Concentration (oz per cu.ft) (2)	0.8	0.29

(1) This material would not ignite at energies up to 40 joules, the highest tried. The material would ignite when subjected to a 24 watt continuous arc.

(2) In larger vessels explosions may occur at lower dust concentrations.

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**IX. ADDITIONAL R-T-K COMPOSITION INFORMATION**

This information is provided in conjunction with the ingredient information in Section II to meet various regulatory composition requirements.

Component	CAS #	Lists
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No additional information applicable.

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**X. SARA Title III Information**

Supplier notification under SARA Title III Section 313 not required for this product.

SARA Section 311 and 312 hazard classification(s) for this product are listed below:

Immediate (acute) health hazard

Delayed (chronic) health hazard

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**XI. RCRA Information**

Since this product is not sold as a waste, we have not tested it as a waste. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is a hazardous waste for Federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

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**XII. CERCLA INFORMATION**

Under EPA-CERCLA releases to air, land or water which exceed the reportable quantity must be reported to the National Response Center (800-424-8802).

This product contains no materials with reportable quantities.

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**XIII. California Proposition 65 Information**

This product is not subject to California Proposition 65 notification requirements.

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**XIV. Transportation Information**

**D.O.T. Shipping Name:** Not Applicable

**D.O.T. Hazard Class:** Not Regulated

**D.O.T. UN/NA Number:** Not Applicable

**D.O.T. Label(s):** None

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**XV. Other Information**

Ingestion of dry powder may result in the material swelling in the throat, possibly causing blockage and choking. Ingestion is not an expected route of entry in industrial uses. See First Aid.

This product complies with all TSCA inventory requirements.

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**Reason Revised:** New format.