



### OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

#### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Product Name</b>	OLYMPUS(TM) 70% Water Dispersible Granular Herbicide
<b>Chemical Name</b>	
<b>Common Name</b>	
<b>MSDS Number</b>	R000038296
<b>Chemical Family</b>	Sulfonyl-amino-carbonyl-triazolinone
<b>Chemical Formulation</b>	
<b>EPA Registration No.</b>	264-809
<b>Product Use</b>	For postemergence control of certain grasses and broadleaf weeds in wheat. The maximum use rate is 0.075 lbs (as is) per acre per crop year.

Bayer CropScience  
 2 T.W. Alexander Drive  
 Research Triangle PK, NC 27709  
 USA

For MEDICAL, TRANSPORTATION or Other EMERGENCY call 1-800-334-7577 24 hours/day  
 For Product Information call 1-866-99BAYER (1-866-992-2937)

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Propoxycarbazone-sodium	181274-15-7	67.9000	72.1000

#### SECTION 3. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

<b><u>Emergency Overview</u></b>	Caution! Harmful if swallowed. Avoid contact with skin, eyes and clothing.
<b>Physical State</b>	Solid Granular
<b>Odor</b>	Slight Musty
<b>Appearance</b>	Tan
<b>Routes of Exposure</b>	Ingestion, Inhalation, Skin contact, Skin Absorption, Eye contact
<b>Immediate Effects</b>	
<b>    Ingestion</b>	Harmful if swallowed. Do not take internally.

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

### SECTION 4. FIRST AID MEASURES

<b>General</b>	Have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Eye</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin</b>	Take off all contaminated clothing immediately. Rinse immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Notes to Physician</b>	
<b>Treatment</b>	There is no antidote. Treat symptomatically.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	Not applicable
<b>Suitable Extinguishing Media</b>	Water, Carbon dioxide (CO2), Dry chemical, Foam
<b>Fire Fighting Instructions</b>	Keep out of smoke. Cool closed containers exposed to fire with water spray. Fight fire from upwind position. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.  In the event of fire, wear self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>General and Disposal</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
<b>Land Spill or Leaks</b>	Avoid dust formation. Avoid breathing dust. Avoid contact with skin. Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

### SECTION 7. HANDLING AND STORAGE

<b>Handling Procedures</b>	Handle and open container in a manner as to prevent spillage.
<b>Storing Procedures</b>	Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.
<b>Work/Hygienic Procedures</b>	<p>Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</p> <p>Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</p> <p>Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.</p>

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls</b>	Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
<b>Eye/Face Protection</b>	Goggles
<b>Hand Protection</b>	Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
<b>Body Protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>Respiratory Protection</b>	When respiratory protection is necessary under the conditions of use, wear a respirator approved for pesticides by the National Institute for Occupational Safety and Health (NIOSH).
<b>General Protection</b>	<p>Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.</p> <p>Follow all label instructions. Educate and train employees in safe use of the product.</p>
<b>Exposure Limits</b>	None Established

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Tan
<b>Physical State</b>	Solid Granular
<b>Odor</b>	Slight Musty
<b>pH</b>	7.6 at 25 °C

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

Determined as a 10% solution in distilled water.

**Bulk Density** 28 lb/cu ft

### SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable

**Conditions to Avoid** Heat  
Exposure to moisture.

**Hazardous Polymerization (Conditions to Avoid)** Will not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

Only acute studies have been performed on this product as formulated. The non-acute information pertains to the active ingredient, propoxycarbazone sodium technical.

**Acute Oral Toxicity** Male/Female Rat: LD50: > 2,000 mg/kg

**Acute Dermal Toxicity** Male/Female Rat: LD50: > 2,000 mg/kg

**Acute Inhalation Toxicity** Male/Female Rat: LC50: 4-hr exposure to dust: > 4.995 mg/l (actual)

Male/Female Rat: 1-hr exposure to dust (extrapolated from 4-hr LC50): > 19.98 mg/l (actual)

**Skin Irritation** Rabbit: non-irritant

**Eye Irritation** Rabbit: Minimal irritant.

**Sensitization** Guinea pig: non-sensitizing

**Subchronic Toxicity** Propoxycarbazone sodium did not cause any systemic or local effects in a subacute dermal toxicity study in rats.

Propoxycarbazone sodium does not have immunotoxic potential based on a plaque-forming-cell assay in rats.

Transient irritative effects were observed in the forestomach of rats following subchronic dietary exposure to propoxycarbazone sodium.

**Chronic Toxicity** The organs affected from long-term exposure to propoxycarbazone sodium in chronic toxicity studies in rats and dogs were the kidney and/or adrenals.

#### Assessment Carcinogenicity

Propoxycarbazone sodium is not carcinogenic based on oncogenicity studies in rats and mice.

**ACGIH**  
None

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

**NTP**  
None  
**IARC**  
None  
**OSHA**  
None

### Reproductive & Developmental Toxicity

REPRODUCTION: Propoxycarbazone sodium is not a reproductive toxicant based on a two-generation reproduction study in rats.

DEVELOPMENTAL TOXICITY: Propoxycarbazone sodium is not a primary developmental toxicant based on developmental toxicity studies in rats and rabbits. Developmental effects were observed in rabbits but only at high maternally-toxic doses.

### Neurotoxicity

Propoxycarbazone sodium is not a neurotoxicant based on acute and subchronic neurotoxicity screening studies in rats.

### Mutagenicity

Propoxycarbazone sodium is not mutagenic or genotoxic based on in vitro and in vivo mutagenicity studies.

## SECTION 12. ECOLOGICAL INFORMATION

### Environmental Precautions

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Do not allow sprays to drift onto adjacent desirable plants. Drift or runoff may adversely affect non-target plants.

## SECTION 13. DISPOSAL CONSIDERATIONS

### General Disposal Guidance

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### Container Disposal

Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

### RCRA Classification

Not Regulated under this Statute

## SECTION 14. TRANSPORT INFORMATION

### DOT CLASSIFICATION:

Not regulated for Domestic Surface Transportation

### FREIGHT CLASSIFICATION:

Compounds, Tree or Weedkilling, N.O.I., other than poison, having a density of 20 LBS or greater per cubic foot

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

### SECTION 15. REGULATORY INFORMATION

EPA Registration No. 264-809

#### US Federal Regulations

##### TSCA list

None

##### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None

##### SARA Title III - section 302 - notification and information

None

##### SARA Title III - section 313 - toxic chemical release reporting

None

#### US States Regulatory Reporting

##### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

#### US State right-to-know ingredients

None

#### Canadian Regulations

##### Canadian Domestic Substance List

None

#### Environmental

##### CERCLA

None

##### Clean Water Section 307 Priority Pollutants

None

##### Safe Drinking Water Act Maximum Contaminant Levels

None

#### International Regulations

##### EU Classification

None

##### European Inventory of Existing Commercial Substances (EINECS)

None

# Material Safety Data Sheet

## OLYMPUS(TM) 70% Water Dispersible Granular Herbicide

MSDS Number: R000038296  
MSDS Version 2.0

### SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
NFPA	1	1	0	None

MSDS REVISION INDICATOR: New Format; Update Sections as needed.

Approval Date: 08/16/2004

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer AG.:Bayer CropScience