



# Safety Data Sheet

United Phosphorus, Inc.

Preparation Date 23-Apr-2015

Revision date 23-Apr-2015

Revision Number: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: Broadloom Herbicide

### Other means of identification

Item#: 12U-BRLM  
Synonyms Not Available  
Registration number(s) 70506-306

### Recommended use of the chemical and restrictions on use

Recommended use Herbicide.  
Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

United Phosphorus Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

#### Emergency telephone number

Company Phone Number 1-800-438-6071  
Emergency telephone number Chemtec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison Control Center  
(866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 5
Skin sensitization	Not classified

### Label elements

### EMERGENCY OVERVIEW

#### WARNING

#### hazard statements

HARMFUL IF SWALLOWED  
May cause an allergic skin reaction



appearance Yellow

Physical state liquid

Odor characteristic

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not get in eyes, on skin, or on clothing  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**Precautionary Statements - Response**

IF exposed  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Harmful to aquatic life with long lasting effects

### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Bentazone-Sodium	50723-80-3	44	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person 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 physician or poison control center immediately.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Protection of First-aiders</b>	Use personal protective equipment.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects**      No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician**      Treat symptomatically.

### 5. Fire-fighting measures

**Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>).

Use: Dry chemical. Water spray. alcohol-resistant foam.

**Unsuitable extinguishing media** No information available.**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>). Hydrocarbons, Oxides of nitrogen, Sulfur oxides.**Explosion data****Protective equipment and precautions for firefighters**

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Avoid contact with the skin and the eyes. Wear protective gloves/clothing and eye/face protection.

**Environmental Precautions****Environmental precautions**

Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Methods and material for containment and cleaning up****Methods for Clean-Up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. Handling and Storage****Precautions for safe handling****Handling**

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a cool, well-ventilated place.

**incompatible materials**

Strong oxidizing agents.

**8. Exposure Controls/Personal Protection****Exposure guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls**

Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment****Eye/Face Protection**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

<b>Skin protection</b>	Long sleeved clothing. Boots. Apron. Impervious butyl rubber gloves.
<b>Respiratory protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**General hygiene considerations**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	characteristic
<b>appearance</b>	Yellow		
<b>color</b>	No information available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>
<b>pH</b>	6.95	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	>100 C	
<b>Evaporation Rate</b>	No information available	
<b>flammability (solid, gas)</b>	No information available	
<b>Flammability limit in air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>vapor pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific gravity</b>	1.1906 g/cm3	
<b>Water solubility</b>	No information available	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**OTHER INFORMATION**

<b>Softening point</b>	No information available
<b>molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under normal conditions. Hazardous polymerisation does not occur.

**Possibility of hazardous reactions**

None under normal processing.

<b>Hazardous polymerization</b>	Hazardous polymerisation does not occur.
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**Conditions to avoid**

Not known. Heat, flames and sparks. Take precautionary measures against static charges.

**incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

**11. Toxicological Information**

**Information on Likely Routes of Exposure**

**Product information**                      Broadloom:  
 Acute oral (rat) LD50 = 4545 mg/kg  
 Acute dermal (rabbit/rat) LD50 = >2,000 mg/kg  
 Acute inhalation (rat) LC50 = >5.257 mg/L  
 Primary eye irritation (rabbit) =Mildly irritating  
 Primary dermal irritation (rabbit) = Not irritatin  
 Dermal sensitization = Not a sensitizer

**Inhalation**                                      May cause irritation of respiratory tract.

**Eye contact**                                    Mild eye irritant.

**Skin contact**                                  Substance may cause slight skin irritation.

**Ingestion**                                      MAY BE HARMFUL IF SWALLOWED.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bentazone-Sodium 50723-80-3	= 635 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 5.1 mg/L ( Rat ) 4 h

**Information on Toxicological Effects**

**Symptoms**                                      No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization**                                    No information available.  
**Mutagenic effects**                            No information available.  
**Carcinogenicity**                            The information below indicates whether any agency has listed any ingredient as a carcinogen.  
**Reproductive effects**                      Not Available.  
**STOT - Single Exposure**                    No information available.  
**STOT - repeated exposure**                No information available.  
**Chronic toxicity**                            Avoid repeated exposure.  
**Aspiration hazard**                            No information available.

**Numerical Measures of Toxicity - Product information**

**LD50 Oral**                                      4545 mg/kg  
**LD50 Dermal**                                  > 2000 mg/kg  
**LC50 Inhalation:**                            > 5.257 mg/l

**12. Ecological Information**

**ecotoxicity**

Broadloom: (Information on Sodium bentazon) :  
 Rainbow trout LC50 96 hr = >100 mg/L  
 Bluegill sunfish LC50 96 hr = >100 mg/L  
 Daphnia magna EC50 48 hr = >500 mg/L  
 Bobwhite quail LD50 = >5000 mg/kg  
 Mallard duck LD50 = >5000 mg/kg

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
Bentazone-Sodium 50723-80-3	0.28

**Other Adverse Effects**

No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

**Waste Disposal Method** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

**14. Transport Information**

**DOT** NOT REGULATED

**ICAO** NOT REGULATED

**IATA** NOT REGULATED

**IMDG/IMO** NOT REGULATED

**15. Regulatory Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word** CAUTION

**Ventilation Control** PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

**Keep out of Reach of Children. Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation.**

**International Inventories**

**USINV** Not determined  
**DSL/NDSL** Not determined  
**EINECS/** Does not comply  
**ELINCS**

ENCS Does not comply  
 China Does not comply  
 KECL Does not comply  
 PICCS Does not comply  
 AICS Does not comply  
 TSCA Does not comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 313**

Y

**SARA 311/312 Hazardous**

**Categorization**

Acute health hazard	yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CERCLA**

SARA Product RQ 0

**RCRA**

**Pesticide Information**

**State Regulations**

**State Right-to-Know**

**International regulations**

**U.S. EPA Label information**

EPA Pesticide registration number 70506-306

**16. Other Information**

**NFPA** HEALTH 1 flammability 0 Instability 0 Physical hazard -

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**Revision Summary**

Update to GHS format

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**End of MSDS**