



## WESTAR® HERBICIDE

Version 2.0 / USA  
102000030338

1/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** WESTAR® HERBICIDE

**Product code (UVP)** 84102199

**SDS Number** 102000030338

**EPA Registration No.** 432-1558

#### Relevant identified uses of the substance or mixture and uses advised against

**Use** Herbicide

**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle PK, NC 27709  
United States

**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577

**Product Information Telephone Number** 1-800-331-2867

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification in accordance with regulation HCS 29CFR §1910.1200

Serious eye damage: Category 1

Acute toxicity(Oral): Category 4



**Signal word:** Danger

#### Hazard statements

Causes serious eye damage.

Harmful if swallowed.

#### Precautionary statements

Wear eye protection/face protection.

Wash thoroughly after handling.



## WESTAR® HERBICIDE

Version 2.0 / USA  
102000030338

2/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

Do not eat, drink or smoke when using this product.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor/physician.  
IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
Rinse mouth.  
Dispose of contents/container in accordance with local regulation.

### Other hazards

No other hazards known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Hexazinone	51235-04-2	68.6
SULFOMETURON METHYL	74222-97-2	6.5

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<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 physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</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 physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. 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. Do not leave victim unattended.

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	To date no symptoms are known.
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Treatment</b>	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.



**WESTAR® HERBICIDE**

Version 2.0 / USA  
102000030338

3/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

---

**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable** Water spray, Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable** None known.

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

**Advice for firefighters**

**Special protective equipment for fire-fighters** Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Whenever possible, contain fire-fighting water by diking area with sand or earth.

**Flash point** not applicable

**Autoignition temperature** no data available

**Lower explosion limit** not applicable

**Upper explosion limit** not applicable

**Explosivity** no data available

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Precautions** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

**Methods and materials for containment and cleaning up**

**Methods for cleaning up** Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

---



**WESTAR® HERBICIDE**

Version 2.0 / USA  
102000030338

4/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Handle and open container in a manner as to prevent spillage.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

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

**Requirements for storage areas and containers** Store in original container and out of the reach of children, preferably in a locked storage area. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Hexazinone	51235-04-2	50ug/m3 (ST ESL)	07 2011	TX ESL
Hexazinone	51235-04-2	5ug/m3 (AN ESL)	07 2011	TX ESL
SULFOMETURON METHYL	74222-97-2	5 mg/m3 (TWA)	02 2012	ACGIH
SULFOMETURON METHYL	74222-97-2	50ug/m3 (ST ESL)	07 2011	TX ESL
SULFOMETURON METHYL	74222-97-2	5ug/m3 (AN ESL)	07 2011	TX ESL
SULFOMETURON METHYL	74222-97-2	3.5 mg/m3 (TWA PEL)	08 2010	US CA OEL
Lactose	64044-51-5	10ug/m3 (AN ESL)	07 2011	TX ESL
Lactose	64044-51-5	100ug/m3 (ST ESL)	07 2011	TX ESL
Barium sulfate (1:1) (Inhalable fraction.)	7727-43-7	5 mg/m3 (TWA)	02 2014	ACGIH
Barium sulfate (1:1) (Respirable.)	7727-43-7	5 mg/m3 (REL)	2010	NIOSH
Barium sulfate (1:1) (Total)	7727-43-7	10 mg/m3 (REL)	2010	NIOSH
Barium sulfate (1:1)	7727-43-7	5 mg/m3	02 2006	OSHA Z1



**WESTAR® HERBICIDE**

Version 2.0 / USA  
102000030338

5/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

(Respirable fraction.)		(PEL)		
Barium sulfate (1:1) (Total dust.)	7727-43-7	15 mg/m3 (PEL)	02 2006	OSHA Z1
Barium sulfate (1:1) (Respirable fraction.)	7727-43-7	5 mg/m3 (TWA)	1989	OSHA Z1A
Barium sulfate (1:1) (Total dust.)	7727-43-7	10 mg/m3 (TWA)	1989	OSHA Z1A
Barium sulfate (1:1) (Total dust.)	7727-43-7	10 mg/m3 (TWA)	06 2008	TN OEL
Barium sulfate (1:1) (Respirable fraction.)	7727-43-7	5 mg/m3 (TWA)	06 2008	TN OEL
Barium sulfate (1:1)	7727-43-7	50ug/m3 (ST ESL)	03 2014	TX ESL
Barium sulfate (1:1)	7727-43-7	5ug/m3 (AN ESL)	03 2014	TX ESL
Sodium benzoate	532-32-1	50ug/m3 (ST ESL)	03 2014	TX ESL
Sodium benzoate	532-32-1	5ug/m3 (AN ESL)	03 2014	TX ESL

**Exposure controls**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**Hand protection**

Chemical resistant nitrile rubber gloves

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

Wear long-sleeved shirt and long pants and shoes plus socks.

**General protective measures**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.  
Keep and wash PPE separately from other laundry.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	white to light brown
<b>Physical State</b>	granular
<b>Odor</b>	slight
<b>Odour Threshold</b>	no data available
<b>pH</b>	7.1 at 1 % (as aqueous solution)



**WESTAR® HERBICIDE**

Version 2.0 / USA  
102000030338

6/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

---

<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 0.59 g/ml
<b>Evaporation rate</b>	not applicable
<b>Boiling Point</b>	not applicable
<b>Melting / Freezing Point</b>	not applicable
<b>Water solubility</b>	dispersible
<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	not applicable
<b>Viscosity</b>	not applicable
<b>Flash point</b>	not applicable
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Explosivity</b>	no data available

---

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	
<b>Thermal decomposition</b>	no data available
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	no data available
<b>Incompatible materials</b>	no data available
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Exposure routes</b>	Eye contact, Skin contact, Ingestion, Inhalation
------------------------	--





## WESTAR® HERBICIDE

Version 2.0 / USA  
102000030338

8/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

	<p>Lepomis macrochirus (Bluegill sunfish) LC50: &gt; 116 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient hexazinone.</p>
	<p>Oncorhynchus mykiss (rainbow trout) LC50: &gt; 148 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient sulfometuron methyl.</p>
<b>Chronic toxicity to aquatic invertebrates</b>	<p>EC50 (Daphnia magna (Water flea)): 152 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient hexazinone.</p> <p>EC50 (Daphnia (water flea)): 150 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient sulfometuron methyl.</p>
<b>Toxicity to aquatic plants</b>	<p>ErC50 (Skeletonema costatum) 0.022 mg/l Exposure time: 120 h The value mentioned relates to the active ingredient hexazinone.</p> <p>NOEC (Skeletonema costatum) 0.0041 mg/l Exposure time: 120 h The value mentioned relates to the active ingredient hexazinone.</p> <p>EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.0046 mg/l Exposure time: 120 h The value mentioned relates to the active ingredient sulfometuron methyl.</p>
<b>Environmental precautions</b>	<p>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 contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift or runoff from treated areas may adversely affect non-target plants. Apply this product as specified on the label.</p>

---

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product</b>	<p>Do not contaminate water, food, or feed by disposal. Dispose of unused product by incineration at a licensed incineration plant, in accordance with all applicable national and local regulations.</p>
<b>Contaminated packaging</b>	<p>Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.</p>





**WESTAR® HERBICIDE**

Version 2.0 / USA  
102000030338

9/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

**RCRA Information**

Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

---

**SECTION 14: TRANSPORT INFORMATION**

**49CFR** Not dangerous goods / not hazardous material

**IMDG**

UN number **3077**  
Class **9**  
Packaging group **III**  
Marine pollutant **YES**  
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HEXAZINONE, SULFOMETURON METHYL MIXTURE)**

**IATA**

UN number **3077**  
Class **9**  
Packaging group **III**  
Environm. Hazardous Mark **YES**  
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HEXAZINONE, SULFOMETURON METHYL MIXTURE )**

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

---

**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 432-1558

**US Federal Regulations**

**TSCA list**

Hexazinone 51235-04-2

**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**

Hexazinone 51235-04-2

**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



## WESTAR® HERBICIDE

Version 2.0 / USA  
102000030338

10/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

reproductive harm.

### US State Right-To-Know Ingredients

Hexazinone 51235-04-2 NJ, RI

### 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.

### EPA/FIFRA 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 required on the pesticide label:

**Signal word:** Danger!

**Hazard statements:** Corrosive - causes irreversible eye damage.  
Harmful if swallowed.  
Do not get in eyes or on clothing.  
Avoid contact with skin.  
Wash thoroughly with soap and water after handling.

---

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
CAS-Nr.	Chemical Abstracts Service number
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	US. IARC Monographs on Occupational Exposures to Chemical Agents
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations

# Bayer Environmental Science

## SAFETY DATA SHEET



### WESTAR® HERBICIDE

Version 2.0 / USA  
102000030338

11/11  
Revision Date: 09/02/2015  
Print Date: 09/02/2015

---

WHO World health organisation

**NFPA 704 (National Fire Protection Association):**

Health - 2      Flammability - 1      Instability - 0      Others - none

**HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

Health - 2      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** New Safety Data Sheet.

**Revision Date:** 09/02/2015

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