

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

1/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

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

#### Product identifier

**Trade name** OUST® EXTRA HERBICIDE

**Product code (UVP)** 85423010

**SDS Number** 102000033583

**EPA Registration No.** 432-1557

#### 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  
USA

**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

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### SECTION 2: HAZARDS IDENTIFICATION

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

Eye irritation: Category 2B

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

**Signal word:** Warning

#### Hazard statements

Causes eye irritation.

#### Precautionary statements

Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

#### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.

No health hazards not otherwise classified.

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# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

2/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
SULFOMETURON METHYL	74222-97-2	56.25
Metsulfuron-methyl	74223-64-6	15.0
Trisodium orthophosphate	7601-54-9	1.76
Sulfonated aromatic polymer, sodium salt	68425-94-5	4.5

### 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

**Symptoms** To date no symptoms are known.

#### Indication of any immediate medical attention and special treatment needed

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing media

<b>Suitable</b>	Water spray, Foam, Dry chemical, Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable</b>	High volume water jet

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

3/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

---

### Advice for firefighters

<b>Special protective equipment for firefighters</b>	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
<b>Further information</b>	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.
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable
<b>Explosivity</b>	Not explosive
<b>Dust explosion class</b>	No data available

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## 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. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. If the product is accidentally spilled, 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.

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## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid dust formation. Use only in area provided with appropriate exhaust 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.

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

4/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. 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. 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
SULFOMETURON METHYL	74222-97-2	5 mg/m <sup>3</sup> (TWA)	02 2012	ACGIH
SULFOMETURON METHYL	74222-97-2	3.5 mg/m <sup>3</sup> (TWA PEL)	08 2010	US CA OEL
Trisodium orthophosphate	7601-54-9	5 mg/m <sup>3</sup> (STEL)	2012	WEEL

### 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

**Appearance** light beige

**Physical State** small rod

**Odor** slight

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

5/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

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<b>Odour Threshold</b>	No data available
<b>pH</b>	>= 5.5 at 1 % (23 °C) (deionized water)
<b>Vapor Pressure</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available
<b>Bulk density</b>	0.50 - 0.70 g/ml (loose)
<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>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable
<b>Explosivity</b>	Not explosive
<b>Dust explosion class</b>	No data available

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## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

<b>Thermal decomposition</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage 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.

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# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

6/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes** Skin Absorption, Eye contact, Inhalation, Ingestion

#### Immediate Effects

**Eye** Moderate eye irritation.

**Skin** Harmful if absorbed through skin.

#### Information on toxicological effects

**Acute oral toxicity** LD50 (Rat) > 5,000 mg/kg

**Acute inhalation toxicity** LC50 (Rat) 5.3 mg/l  
Exposure time: 4 h

**Acute dermal toxicity** LD50 (Rabbit) > 2,000 mg/kg

**Skin corrosion/irritation** slight irritation (Rabbit)

**Serious eye damage/eye irritation** slight irritation (Rabbit)

**Respiratory or skin sensitisation** Non-sensitizing. (Guinea pig)

#### Assessment STOT Specific target organ toxicity – repeated exposure

Metsulfuron-methyl: Based on available data, the classification criteria are not met.

#### Assessment mutagenicity

Metsulfuron-methyl: Based on available data, the classification criteria are not met. Not mutagenic in Ames Test.

#### Assessment carcinogenicity

Metsulfuron-methyl is not considered carcinogenic.

#### ACGIH

SULFOMETURON METHYL 74222-97-2 Group A4

#### NTP

None.

#### IARC

None.

#### OSHA

None.

#### Assessment toxicity to reproduction

Metsulfuron-methyl did not cause reproductive toxicity in laboratory animals.

#### Assessment developmental toxicity

Metsulfuron-methyl is not considered a developmental toxicant.

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

7/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

### Further information

Only acute toxicity studies have been performed on the formulated product.  
The non-acute information pertains to the active ingredient(s).

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) > 148 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient sulfometuron methyl.  LC50 (Oncorhynchus mykiss (rainbow trout)) > 150 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient metsulfuron methyl.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) > 150 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient sulfometuron methyl.  EC50 (Daphnia magna (Water flea)) > 120 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient metsulfuron methyl.
<b>Toxicity to aquatic plants</b>	EC50 (Anabaena flos-aquae (cyanobacterium)) 0.066 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient metsulfuron methyl.
<b>Biodegradability</b>	Metsulfuron-methyl: No data available
<b>Koc</b>	Metsulfuron-methyl: No data available
<b>Bioaccumulation</b>	Metsulfuron-methyl: No data available
<b>Mobility in soil</b>	Metsulfuron-methyl: No data available
<b>Environmental precautions</b>	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 allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Product** Do not contaminate water, food, or feed by disposal.  
Dispose in accordance with all local, state/provincial and federal

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

8/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

---

	regulations. Follow container label instructions for disposal of wastes generated during use in compliance with the product label.
<b>Contaminated packaging</b>	Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.
<b>RCRA Information</b>	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.

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### SECTION 14: TRANSPORT INFORMATION

<b>49CFR</b>	Not dangerous goods / not hazardous material
<b>IMDG</b>	
UN number	<b>3077</b>
Class	9
Packaging group	III
Marine pollutant	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SULFOMETURON METHYL, METSULFURON METHYL MIXTURE)
<b>IATA</b>	
UN number	<b>3077</b>
Class	9
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SULFOMETURON METHYL, METSULFURON 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.

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### SECTION 15: REGULATORY INFORMATION

<b>EPA Registration No.</b>	432-1557
<b>US Federal Regulations</b>	
<b>TSCA list</b>	
Trisodium orthophosphate	7601-54-9
Sulfonated aromatic polymer, sodium salt	68425-94-5
Sucrose	57-50-1

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

9/10  
Revision Date: 08/07/2018  
Print Date: 08/07/2018

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**  
Not applicable.

**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

Trisodium orthophosphate	7601-54-9	CA, CT, IL, MN, NJ
Polyvinylpyrrolidone	9003-39-8	CA
Sucrose	57-50-1	MN, RI
Polyethylene glycol	25322-68-3	MN

### 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:** Caution!

**Hazard statements:** Harmful if absorbed through skin.  
Moderate eye irritation.  
Avoid contact with skin, eyes and clothing.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
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

# SAFETY DATA SHEET



## OUST® EXTRA HERBICIDE

Version 1.0 / USA  
102000033583

10/10  
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---

TDG                      Transportation of Dangerous Goods  
TWA                      Time weighted average  
UN                        United Nations  
WHO                      World health organisation

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

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

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

Health - 1              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 due to change in numbering scheme.

**Revision Date:** 08/07/2018

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