

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

1/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

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

#### Product identifier

Trade name REQUIEM® PRIME

Product code (UVP) 85832034

SDS Number 102000035511

EPA Registration No. 264-1185

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

Use Insecticide, Acaricide

Restrictions on use See product label for restrictions.

#### Information on supplier

Supplier Bayer CropScience  
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 1-866-99BAYER (1-866-992-2937)

### SECTION 2: HAZARDS IDENTIFICATION

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

Flammable liquids: Category 3

Aspiration hazard: Category 1

Skin sensitisation: Category 1

Specific target organ toxicity - single exposure: Category 3

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



Signal word: Danger

#### Hazard statements

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

2/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

May cause respiratory irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/ eye protection/ face protection.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Use only outdoors or in a well-ventilated area.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician.  
Do NOT induce vomiting.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor/physician if you feel unwell.  
Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Terpene Constituents of Extract of Chenopodium ambrosioides near ambrosioides as Synthetically Manufactured		16.2
Butyl (S)-2-hydroxypropionate	34451-19-9	29.09
Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-, mono(C16 and C18-unsatd. alkyl) ethers, phosphates	91254-26-1	5.39

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

**General advice** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

3/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

---

<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** Aspiration may cause pulmonary oedema and pneumonitis.

### 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

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**Special hazards arising from the substance or mixture** In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NOx), Sulphur oxides

### Advice for firefighters

**Special protective equipment for firefighters** 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.

**Flash point** 58.0 °C

**Auto-ignition temperature** No data available

**Lower explosion limit** No data available

**Upper explosion limit** No data available

**Explosivity** No data available

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

4/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

**Dust explosion class** Not applicable.

---

### 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. Use personal protective equipment.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Contaminated soil may have to be removed and disposed.

Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup.

**Additional advice** 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.

---

### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Handle and open container in a manner as to prevent spillage. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

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

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

5/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Butyl (S)-2-hydroxypropionate	34451-19-9	5 ppm (TWA)	02 2012	ACGIH
Butyl (S)-2-hydroxypropionate	34451-19-9	25 mg/m <sup>3</sup> /5 ppm (REL)	2010	NIOSH
Butyl (S)-2-hydroxypropionate	34451-19-9	25 mg/m <sup>3</sup> /5 ppm (TWA)	06 2008	TN OEL
Butyl (S)-2-hydroxypropionate	34451-19-9	25 mg/m <sup>3</sup> /5 ppm (TWA PEL)	08 2010	US CA OEL

### 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

Tightly fitting safety goggles

#### 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 yellow to light brown

#### Physical State

Liquid clear

#### Odor

characteristic

#### Odour Threshold

No data available

#### pH

3.0 - 4.0 (1 %) (23 °C) (deionized water)

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

6/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

---

<b>Vapor Pressure</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available
<b>Density</b>	ca. 0.94 g/cm <sup>3</sup> (20 °C)
<b>Evaporation rate</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting / Freezing Point</b>	No data available
<b>Water solubility</b>	emulsifiable
<b>Minimum Ignition Energy</b>	Not applicable
<b>Decomposition temperature</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	No data available
<b>Flash point</b>	58.0 °C
<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	No data available
<b>Dust explosion class</b>	Not applicable.

---

## 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>	Extremes of temperature and direct sunlight. Heat, flames and sparks.
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

---

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

7/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

---

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Eye contact, Skin contact, Inhalation
<b>Immediate Effects</b>	
<b>Eye</b>	May cause mild irritation to eyes.
<b>Skin</b>	May cause mild irritation to the skin.
<b>Inhalation</b>	Mists may cause respiratory tract irritation.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (female Rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (male/female combined Rat) > 5.07 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol.
<b>Acute dermal toxicity</b>	LD50 (male/female combined Rat) > 5,000 mg/kg
<b>Skin corrosion/irritation</b>	slight irritation (Rabbit)
<b>Serious eye damage/eye irritation</b>	slight irritation (Rabbit)
<b>Respiratory or skin sensitisation</b>	Skin: Sensitising (Mouse) OECD Test Guideline 429, local lymph node assay (LLNA)
<b>ACGIH</b>	None.
<b>NTP</b>	None.
<b>IARC</b>	None.
<b>OSHA</b>	None.

#### Further information

Only acute toxicity studies have been performed on the formulated product.

---

### SECTION 12: ECOLOGICAL INFORMATION

<b>Additional ecological information</b>	No further ecological information is 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 contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

8/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

Do not allow to get into surface water, drains and ground water.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product</b>	Dispose in accordance with all local, state/provincial and federal regulations. Do not contaminate water, food, or feed by disposal. Follow advice on product label and/or leaflet.
<b>Contaminated packaging</b>	Triple rinse containers. Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke.
<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.

### SECTION 14: TRANSPORT INFORMATION

#### 49CFR

UN number	1993
Class	3
Packaging group	III
Marine pollutant	Marine pollutant
Proper shipping name	FLAMMABLE LIQUIDS, N.O.S. (CYMENES)

#### IMDG

UN number	1993
Class	3
Packaging group	III
Marine pollutant	YES
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (CYMENES SOLUTION)

#### IATA

UN number	1993
Class	3
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (CYMENES SOLUTION )

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



# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

9/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

requirements.

---

### SECTION 15: REGULATORY INFORMATION

**EPA Registration No.** 264-1185

**US Federal Regulations**

**TSCA list**

Butyl (S)-2-hydroxypropionate 34451-19-9

Poly(oxy-1,2-ethanediyl),  $\alpha$ -hydro- $\omega$ - 91254-26-1

hydroxy-, mono(C16 and C18-unsatd.  
alkyl) ethers, phosphates

**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**

Butyl (S)-2-hydroxypropionate 34451-19-9 CA, MN, RI

Rape oil 8002-13-9 MN, RI

**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:** Avoid contact with skin, eyes and clothing.  
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove and wash contaminated clothing before re-use.  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

---

# SAFETY DATA SHEET



## REQUIEM® PRIME

Version 1.0 / USA  
102000035511

10/10  
Revision Date: 10/23/2018  
Print Date: 01/29/2019

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

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

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

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

Health - 2      Flammability - 2      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:** 10/23/2018

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.