



**Material Safety Data Sheet**

**BAYER ADVANCED 2-IN-1 MOSS & ALGAE KILLER  
READY-TO-SPRAY**

MSDS Number: 102000011865

MSDS Version 2.0

Revision Date: 03/10/2009

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

**Product Name** BAYER ADVANCED 2-IN-1 MOSS & ALGAE KILLER READY-TO-SPRAY  
**MSDS Number** 102000011865  
**EPA Registration No.** 67702-12-72155

Bayer Environmental Science  
 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: 1-800-331-2867

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

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Potassium laurate	10124-65-9	22.11

**SECTION 3. HAZARDS IDENTIFICATION**

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

**Emergency Overview** Warning! Hazard to humans and domestic animals. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling. Avoid breathing spray mist.

**Physical State** liquid, clear  
**Odor** odourless  
**Appearance** colourless to light yellow  
**Routes of Exposure** Eye contact, Ingestion, Skin contact, Inhalation  
**Immediate Effects**  
**Eye** Causes substantial but temporary eye injury. Causes eye irritation. Do not get in eyes.  
**Skin** Causes skin irritation. Do not get on skin or clothing.



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<b>Ingestion</b>	May cause irritation. May cause nausea, vomiting, abdominal pain. Do not take internally.
<b>Chronic or Delayed Long-Term</b>	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.
<b>Medical Conditions Aggravated by Exposure</b>	Skin disorders
<b>Potential Environmental Effect</b>	Toxic to aquatic invertebrates.

**SECTION 4. FIRST AID MEASURES**

<b>General</b>	When possible, 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 physician or poison control center immediately.
<b>Skin</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>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.
<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>Notes to Physician Treatment</b>	Treat symptomatically. There is no specific antidote.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Flash point</b>	not applicable
<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO2), Foam, Water



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#### Fire Fighting Instructions

Keep out of smoke. Fight fire from upwind position. Cool closed containers/tanks exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

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

#### Methods for cleaning up

Dike area to prevent runoff. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). 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. Do not allow to enter soil, waterways or waste water canal.

Material can create slippery conditions.

## SECTION 7. HANDLING AND STORAGE

#### Handling Procedures

Use only in area provided with appropriate exhaust ventilation.

Keep away from heat and sources of ignition.

#### Storing Procedures

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing.

#### Min/Max Storage Temperatures

Recommended minimum transport/storage temperature: 0 °C / 32 °F

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### General Protection

There are no known hazards associated with this product when used according to the label directions. The following guidelines should be followed.

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Do not allow children or pets to enter the treated area until it has dried.



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Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

<b>Eye/Face Protection</b>	Safety glasses
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Body Protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>Respiratory Protection</b>	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.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	colourless to light yellow
<b>Physical State</b>	liquid, clear
<b>Odor</b>	odourless
<b>pH</b>	9.8 - 10.3 (100 %)
<b>Density</b>	approx. 1.04 g/cm <sup>3</sup> at 20 °C
<b>Water solubility</b>	miscible

**SECTION 10. STABILITY AND REACTIVITY**

<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Nitrogen oxides (NO <sub>x</sub> )
<b>Hazardous Reactions</b>	No hazardous reactions known. Stable under recommended storage conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity</b>	LD50: > 5,000 mg/kg
<b>Acute Dermal Toxicity</b>	LD50: > 5,000 mg/kg
<b>Assessment Carcinogenicity</b>	



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**ACGIH**  
None.  
**NTP**  
None.  
**IARC**  
None.  
**OSHA**  
None.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Precautions** 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**

**General Disposal Guidance** It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain.

**Container Disposal** Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

**SECTION 14. TRANSPORT INFORMATION**

**DOT CLASSIFICATION:**  
Not regulated for Domestic Surface Transportation

**FREIGHT CLASSIFICATION:**  
Insecticide or Fungicide, N.O.I.

**SECTION 15. REGULATORY INFORMATION**

**EPA Registration No.** 67702-12-72155

**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**



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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.

**SECTION 16. OTHER INFORMATION**

NFPA 704 (National Fire Protection Association):

Health - 2      Flammability - 0      Reactivity - 0      Others - none

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

Reason to Revise: Updated due to new system and numbering scheme. Updated for general editorial purposes.

Revision Date: 03/10/2009

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