



Material Safety Data Sheet

BAYER ADVANCED 2-in-1 Moss & Algae Killer READY-TO-SPRAY

MSDS Version: 1.0

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name BAYER ADVANCED 2-in-1 Moss & Algae Killer READY-TO-SPRAY
Chemical Name
Common Name
MSDS Number 2174
Chemical Family
Chemical Formulation
EPA Registration No. 67702-12-72155
Product Use Use for lawns, patios, plus roofs and buildings.

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 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>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Potassium laurate	10124-65-9		24.0000

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Warning! Hazard to humans and domestic animals. Cause 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.

Physical State Liquid
Odor Odorless to mild soap like.
Appearance Clear
Routes of Exposure Eye contact, Ingestion, Skin contact
Immediate Effects
Eye Do not get in eyes. Cause substantial but temporary eye injury. Causes eye

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	irritation.
Skin	Causes skin irritation. Avoid contact with clothing. Avoid contact with skin. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before re-use.
Ingestion	May cause irritation. May cause nausea, vomiting, abdominal pain.
Chronic or Delayed Long-Term	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.
Medical Conditions Aggravated by Exposure	Skin disorders

SECTION 4. FIRST AID MEASURES

General	Have the product container or label with you when calling a poison control center or doctor or going for treatment.
Eye	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 poison control center or doctor for treatment advice.
Skin	Take off all contaminated clothing immediately. Rinse immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
Ingestion	Call a poison control center or doctor for treatment advice.
Inhalation	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 poison control center or doctor for treatment advice.
Notes to Physician	
Treatment	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	Not applicable
Suitable Extinguishing Media	Carbon dioxide (CO2), Foam, Water
Fire Fighting Instructions	<p>Keep unnecessary people away, isolate hazard area and deny entry. Dike area to prevent runoff and contamination of water sources. Cool closed containers exposed to fire with water spray. Avoid contact with spilled product or contaminated surfaces.</p> <p>Fight fire from upwind position. Keep out of smoke. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Equipment or materials involved in pesticide fires may become contaminated.</p>

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the effects of the spill. Dispose in accordance with all local, state/provincial and federal regulations.
Land Spill or Leaks	<p>Isolate area and keep unauthorized people away. Avoid contact with skin, eyes and clothing.</p> <p>Dike area to prevent runoff. Material can create slippery conditions. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Prevent entry into waterways, sewers, basements or confined areas.</p> <p>Do not allow material to enter streams, sewers, or other waterways or contact vegetation. Contact Bayer for further assistance if necessary.</p>

SECTION 7. HANDLING AND STORAGE

Handling Procedures	Use proper protective equipment to minimize personal exposure (see Section 8).
Storing Procedures	<p>Store in original container in a secured, dry storage area. Keep out of reach of children and animals.</p> <p>Keep away from open flames, hot surfaces and sources of ignition. Store at ambient temperature.</p>
Work/Hygienic Procedures	<p>Handle in accordance with good industrial hygiene and safety practice. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing.</p> <p>For additional handling precautions, refer to the Product Label for "User Safety Recommendations", as defined by the EPA Worker Protection Standard (40 CFR part 170).</p>
Min/Max Storage Temperatures	Do not transport or store below 32 °C / 90 °F

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Use only with adequate ventilation/personal protection.
Eye/Face Protection	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices.
Hand Protection	Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber.

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Body Protection	Wear long-sleeved shirt and long pants and shoes plus socks.
Respiratory Protection	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or Industry recommendations.
General Protection	Educate and train employees in safe use of the product. Follow all label instructions. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Eye wash facility and safety shower should be available.
Exposure Limits	None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Physical State	Liquid
Odor	Odorless to mild soap like.
pH	10
Density	1.04 g/cm ³ at 25 °C
Water Solubility	Completely miscible

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Exposure to extreme heat.
Incompatibility	None known.
Hazardous Decomposition Products	Carbon dioxide (CO ₂) Carbon monoxide Nitrogen oxides (NO _x)
Hazardous Polymerization (Conditions to Avoid)	Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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

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None
NTP
None
IARC
None
OSHA
None

SECTION 12. ECOLOGICAL INFORMATION

Acute and Prolonged Toxicity to Fish	Fish LC50:No data available
Environmental Precautions	Do not apply directly to any body of water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. This product may be hazardous to aquatic invertebrates.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance	Do not re-use empty containers. If recycling is not practicable, dispose of in compliance with local regulations. Never place unused product down any indoor or outdoor drain.
Container Disposal	If partly filled, call your local solid waste agency for disposal instructions.
RCRA Classification	Not Regulated under this Statute

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

Potassium laurate 10124-65-9

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

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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

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

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SECTION 16. OTHER INFORMATION

NFPA	Health	Flammability	Reactivity	Others
	2	1	1	None

REASON TO ISSUE: New MSDS.

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