



Material Safety Data Sheet

**BAYER ADVANCED NATRIA GRASS & WEED KILLER
READY-TO-USE**

MSDS Number: 102000022780

MSDS Version 1.0

Revision Date: 06/04/2009

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name BAYER ADVANCED NATRIA GRASS & WEED KILLER READY-TO-USE
MSDS Number 102000022780
EPA Registration No. 67702-7-72155

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> |
|---------------------------------|----------------|----------------------------|
| Ammonium salts of fatty acids | | 3.68 |
| Propan-2-ol | 67-63-0 | 2.00 |

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! May cause skin irritation. May cause irritation of respiratory tract. May cause substantial but temporary eye injury. May be harmful by inhalation, ingestion, skin adsorption. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Wash thoroughly with soap and water after handling.

Physical State liquid
Odor soapy ammoniacal
Appearance colourless
Routes of Exposure Eye contact, Skin contact, Inhalation, Ingestion
Medical Conditions Aggravated by Exposure Skin disorders Respiratory disorders Eye disease

SECTION 4. FIRST AID MEASURES

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



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| | |
|-------------------------------------|---|
| 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 physician or poison control center immediately. |
| Skin | 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. |
| Ingestion | 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. |
| 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 physician or poison control center immediately. |
| Notes to Physician Treatment | Treat symptomatically. There is no specific antidote. |

SECTION 5. FIRE FIGHTING MEASURES

| | |
|-------------------------------------|--|
| Flash point | not applicable |
| Suitable Extinguishing Media | Water, Carbon dioxide (CO2), Foam |
| Fire Fighting Instructions | <p>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.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.</p> |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|--|
| Personal Precautions | Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. |
| Methods for cleaning up | 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. |



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Additional Advice Use personal protective equipment. Material can create slippery conditions. Do not allow to enter soil, waterways or waste water canal.

SECTION 7. HANDLING AND STORAGE

Handling Procedures Ensure adequate ventilation. Handle and open container in a manner as to prevent spillage.

Storing Procedures Keep containers tightly closed in a dry, cool and well-ventilated place.

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

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

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

Eye/Face Protection Tightly fitting safety goggles

Hand protection Chemical resistant nitrile rubber gloves

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

Exposure Limits

| | | | | |
|-------------|---------|-----------|---------|-----------|
| Propan-2-ol | 67-63-0 | ACGIH | TWA | 200 ppm |
| | | ACGIH | STEL | 400 ppm |
| | | NIOSH | REL | 400 ppm |
| | | NIOSH | STEL | 500 ppm |
| | | OSHA Z1 | PEL | 400 ppm |
| | | OSHA Z1A | TWA | 400 ppm |
| | | OSHA Z1A | STEL | 500 ppm |
| | | US CA OEL | TWA PEL | 400 ppm |
| | | US CA OEL | STEL | 500 ppm |
| | | TX ESL | ST ESL | 3,200 ppm |
| | | TX ESL | AN ESL | 320 ppm |



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|--------------------------------|
| Appearance | colourless |
| Physical State | liquid |
| Odor | soapy ammoniacal |
| pH | 7.7 - 8.0 |
| Density | approx. 0.99 g/cm ³ |
| Water solubility | miscible in all proportions |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to Avoid | Elevated temperatures |
| Hazardous Decomposition Products | Carbon dioxide (CO ₂) Carbon monoxide Nitrogen oxides (NO _x) Ammonia |
| Hazardous Reactions | No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions. |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|---------------------------------------|
| Acute Oral Toxicity | LD50: > 5,000 mg/kg |
| Acute Dermal Toxicity | LD50: > 5,000 mg/kg |
| Assessment Carcinogenicity | |
| ACGIH | |
| Propan-2-ol | 67-63-0 Group A4 |
| NTP | |
| None. | |
| IARC | |
| None. | |
| OSHA | |
| None. | |

SECTION 12. ECOLOGICAL INFORMATION



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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 Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:
Not regulated for any mode of Transportation

FREIGHT CLASSIFICATION:
Compounds, Tree or Weedkilling, N.O.I., other than poison, having a density of 20 LBS or greater per cubic foot

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 67702-7-72155

US Federal Regulations

TSCA list

Propan-2-ol 67-63-0

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

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

