



Material Safety Data Sheet

ARGENT™ 30

MSDS Number: 102000012818

MSDS Version 2.1

Revision Date: 07/05/2006

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name ARGENT™ 30
MSDS Number 102000012818
EPA Registration No. 264-965

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

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
(Benzothiazol-2-ylthio)methyl thiocyanate	21564-17-0	30.00
Dipropylene Glycol Monomethyl Ether	34590-94-8	21.50

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Danger! Corrosive to skin and eyes. May cause allergic skin reaction. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe vapours or spray mist.

Physical State liquid

Odor mild

Appearance dark amber

Routes of Exposure Ingestion, Inhalation, Eye contact, Skin contact

Immediate Effects

Eye Corrosive to eyes. Causes eye damage. Do not get in eyes.

Skin Corrosive to skin. Causes skin irritation. May produce an allergic reaction. Do not get in eyes, on skin, or on clothing.



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Ingestion	Do not take internally. Harmful if swallowed.
Inhalation	Irritation of mucous membranes. Inhalation may cause central nervous system effects. Do not breathe vapours or spray mist.

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.
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	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. 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 Hazards	May pose an aspiration pneumonia hazard.
Treatment	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. Probable mucosal damage may contradictate the use of gastric lavage.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	79.4 °C / 174.9 °F
Fire and Explosion Hazards	Under fire conditions, toxic, corrosive fumes are emitted. Keep away from open flames, hot surfaces and sources of ignition.
Suitable Extinguishing Media	foam, carbon dioxide (CO2), dry chemical, water spray



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Fire Fighting Instructions

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.

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

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

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional Advice

Use personal protective equipment. Do not allow product to enter streams, sewers or other waterways.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

Handle and open container in a manner as to prevent spillage.

Storing Procedures

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Observe label precautions.

Work/Hygienic Procedures

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

Take off contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing.

Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection

Follow all label instructions. Train employees in safe use of the product.

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.



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Engineering Controls	Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
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.
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.

Exposure Limits

Dipropylene Glycol	34590-94-8	ACGIH	TWA		100 ppm
Monomethyl Ether		ACGIH	STEL		150 ppm
		NIOSH	REL	100 ppm	600 mg/m3
		NIOSH	STEL	150 ppm	900 mg/m3
		OSHA Z1	PEL	100 ppm	600 mg/m3
		OSHA Z1A	TWA	100 ppm	600 mg/m3
		OSHA Z1A	STEL	150 ppm	900 mg/m3
		US CA OEL	TWA PEL	100 ppm	600 mg/m3
		US CA OEL	STEL	150 ppm	900 mg/m3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	dark amber
Physical State	liquid
Odor	mild
pH	3.5 - 4.5 (1 %)
Specific Gravity	1.08
Bulk Density	8.7 - 9.3 lb./gal.
Viscosity	30 mPa.s

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Exposure to extreme heat.



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Incompatibility strong acids and strong bases
 strong oxidizing agents
 alkaline

Hazardous Decomposition Products In case of fire hazardous decomposition products may be produced such as:
 hydrogen cyanide (hydrocyanic acid)
 nitrogen oxides (NOx)
 Sulphur oxides
 Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Contact the Product Information number on page 1 for Toxicological Information.

Assessment Carcinogenicity

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

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions Toxic to fish. 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 discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. For guidance, contact your State Water Board or Regional Office of the EPA. Apply this product as specified on the label.



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SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Open dumping is prohibited.

Container Disposal Do not re-use empty containers. Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION;
Corrosive Liquid, N.O.S.(2-(Thiocyanomethylthio) Benzothiazole) // 8 // UN1760 // PG III

FREIGHT CLASSIFICATION:
Insecticides or Fungicides, N.O.I.; other than poison

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 264-965

US Federal Regulations

TSCA list

Dipropylene Glycol Monomethyl Ether 34590-94-8

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

Dipropylene Glycol Monomethyl Ether 34590-94-8

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

Dipropylene Glycol Monomethyl Ether 34590-94-8 CA, IL, MN, RI

Canadian Regulations

Canadian Domestic Substance List



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Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

International Regulations

European Inventory of Existing Commercial Substances (EINECS)

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SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 3 Flammability - 2 Reactivity - 0 Others - none

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

Reason to Revise: Updated Section 14 information.

Revision Date: 07/05/2006

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