



SAFETY DATA SHEET

GALLTROL-A®

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: GALLTROL-A®

EPA REGISTRATION NUMBER: 40230-1

EPA SIGNAL WORD: CAUTION

EPA LABEL DATE: 7 April 2016

CA REGISTRATION NUMBER: 40230-1-CA

DATE: 10 November 2017

SUPERSEDES DATE: 25 June 2009

MANUFACTURER: AgBioChem, Inc.

ADDRESS: 3750 N 1020 E
Provo, UT 84604

24/7 EMERGENCY PHONE: 1-800-728-2482 (Professional Emergency Response Services)

24/7 HEALTH EMERGENCIES: 800-858-7378 (National Pesticide Information Center)

SECTION II - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Keep out of reach of children. The product may cause eye irritation.

POTENTIAL HEALTH EFFECTS

CODE OF HAZARD STATEMENTS:

Physical hazards

None.

Health Hazards

H320-Causes eye irritation.

Environmental hazards

None.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes.

P264-Wash thoroughly after handling using this product.

P-273-Avoid release to the environment.

P281-Use personal protective equipment as required.

Response statements

P305-If in eyes: 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.

P311-Call a POISON CENTER or doctor/physician for treatment advice.

Storage

P401-Store in a refrigerated storage 38-40°F (3.33-4.44°C). Do not freeze.

ROUTES OF ENTRY: Eye and skin contact.

CARCINOGENICITY: None found.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

NAME

AMOUNT

Agrobacterium radiobacter (Strain K84)

0.35 oz. (9.92 g.)

Note! Each culture plate is 150 mm (six inches) in diameter and contains 50 ml of agar culture medium and has a surface area of 17,633 mm² or 28 in² containing not less than 1.2 x 10¹¹ colony-forming units as a surface growth per plate (= 2.64 10 cells per ml of prepared aqueous suspension). Agar and bacteria registered in Washington State to comply with National Organic Standards.

**SECTION IV - FIRST AID MEASURES**

INHALATION: Move to fresh air free from risk of further exposure. If person not breathing call 9-1-1, then apply rescue breathing. Seek medical attention as soon as possible.

EYE CONTACT: Flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.

SKIN CONTACT: Rinse area with clean water for 15-20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

SECTION V - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: Not flammable

FLAMMABLE LIMITS: NE

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam for surrounding fire.

FIRE OR EXPLOSION HAZARDS: This material under complete combustion will form oxides of carbon and nitrogen.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Wear PPE. Isolate the area and prevent material from getting into waterways.

Sweep up and place the collected material in a closed container.

Finish cleaning the area with small amounts of soap and water on the spill area.

SECTION VII - HANDLING AND STORAGE

STORAGE TEMPERATURE: Keep containers tightly closed. Avoid high temperatures. Keep in refrigerated storage 38-40°F (3.33-4.44°C). Do not freeze.

SPECIAL SENSITIVITY: Avoid contact with eyes, wear PPE in section 8.

HANDLING AND STORAGE PRECAUTIONS: Use normal safety procedures and good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety glasses or goggles, keep out of eyes.

SKIN PROTECTION: Wear long sleeve shirts, long pants and shoes and socks.

RESPIRATORY PROTECTION: Not normally required, however wear respirator if the airborne conditions mandate.

OCCUPATIONAL EXPOSURE LIMITS: None.

ENGINEERING CONTROLS: Provide adequate ventilation when product is used.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Live bacteria colony on an agar medium. **COLOR:** Off-white

ODOR: Slight odor.

pH: 7

SOLUBILITY IN WATER: Live bacteria is suspended in water.

SECTION X - REACTIVITY

STABILITY: This product is a living organism, do not freeze and store in refrigerated storage 38-40°F (3.33-4.44°C).

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: None known.

DECOMPOSITION PRODUCTS: Product will burn and the products of complete combustion are oxides of carbon and nitrogen.



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SECTION XI - TOXICOLOGICAL INFORMATION

The significant route of exposure is the eyes.

SECTION XII - ECOLOGICAL INFORMATION

The product is not harmful to aquatic organisms

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The active ingredient is suspended on an agar medium wear required PPE to dispose of the material according to label instructions for pesticide and container disposal. Dispose according to the regulations of local, state and Federal regulatory agencies.

SECTION XIV - TRANSPORTATION INFORMATION

US DOT (ground) SHIPPING DESCRIPTION: Not regulated by ground shipment, per 49 CFR Part 172.101(12)(iv).

IATA (air) SHIPPING DESCRIPTION: Not regulated by air.

IMO (water) SHIPPING DESCRIPTION: Not regulated by water

SECTION XV - REGULATORY INFORMATION

OSHA STATUS: Not regulated.

TSCA STATUS: Not listed.

CERCLA REPORTABLE QUANTITY: None.

CALIFORNIA PROPOSITION 65: Not listed.

RCRA STATUS: None.

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE N **FIRE** N **SUDDEN RELEASE OF PRESSURE** N
DELAYED N **REACTIVE** N

SARA TITLE III: None.

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 313 TOXIC CHEMICALS: None.

RIGHT TO KNOW: Not listed.

SECTION XVI- OTHER INFORMATION

National Fire Protection Association (NFPA)

Hazardous Materials Identification System (HMIS)

NFPA

HMIS

0 Least

1 Health

1 Slight

1 Health

0 Flammability

2 Moderate

0 Flammability

0 Instability

3 High

0 Reactivity

4 Severe

F PPE

REASON FOR ISSUE: New formatting after Section X to meet OSHA regulations.

APPROVAL DATE: 11 November June 2017

PREPARED BY: Dennis Belau

REVIEWED BY: John Bahme, PhD.

ABBREVIATIONS:

CAS # Chemical Abstract Service Number

EINECS European Inventory of existing Commercial Chemical Sales

°C Celsius temperature scale

°F Fahrenheit temperature scale

Prop. Proprietary

PE Personal Protective Equipment

TLV Threshold Limit Value

TWA Time Weighted Average

STEL Short-term Exposure Limit

PEL Permissible Exposure Limit

OSHA Occupational Safety & Health

NIOSH National Institute of Safety & Health

NFPA National Fire Protection Agency

WHMIS Workplace Hazardous Materials Information System

NTP National Toxicology Program

IARC Int. Agency for Research on Cancer

RCRA Resource Conservation

TSCA Toxic Substance Control Act

Recovery ACT

EC₅₀ Effective Dose

LC₅₀ Lethal Inhalation Concentration

LD₅₀ Lethal Dose

CAS Chemical Abstract Service Number

LEL Lower explosive limit

UEL Upper explosive limit

NDA No Data Available

ND Not determined

NE None established



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NA	Not Applicable	≤	Less Than or Equal To
≥	Greater Than or Equal To	CNS	Central Nervous System
CI	China	DSL	Canada
ECL	Korean Existing Chemicals List	EEC	European Economic Commission
ENCS	Japanese Existing and New Chemical List	MAC	Netherlands
EU	European Union	MITI	Japan
MAK	Germany	SWISS	Giftliste 1
PICCS	Philippines	USA	United States
UK	United Kingdom		
VOC	Volatile organic content		
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

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