

Date of Compilation: April 2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**Product name: Latron B-1956
Registration No: None
Product Type: Liquid**1.2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses: Pesticide adjuvant. Increases residual activity of sprays by resisting wash-off
Uses advised against: None**1.3. Details of the supplier of the safety data sheet**Name: Southern Agricultural Insecticides, Inc.
Address: P.O. Box 218 Palmetto, FL 34220 U.S.A.
Phone Number: (941) 722-3285
Website: www.southernag.com**1.4. Emergency telephone number**

Emergency number: (941) 722-3285 Chemtrec (800) 424-9300 (24 hour transportation spill response)

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids, Category 3
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 2B
Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation
Specific target organ toxicity - Single exposure, Category 3, Narcosis**Pictograms****Signal word**

Warning

Contains

1-butanol

Hazard StatementsFlammable liquid and vapor Causes skin irritation
Causes eye irritation May cause respiratory irritation
May cause drowsiness or dizziness**Precautionary Statements**Keep away from heat/sparks/open flames/hot surfaces
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ ... equipment
Use only non-sparking tools

Take precautionary measures against static discharge
Avoid breathing dust/fume/gas/mist/vapors/spray Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
If on skin: Wash with plenty of water/ ...
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Call a poison center/doctor/ ... if you feel unwell
Specific treatment (see supplemental first aid instruction on this label)
If skin irritation occurs: Get medical attention
If eye irritation persists: Get medical attention
Take off contaminated clothing and wash before reuse
In case of fire: Use media other than water to extinguish
Store in a locked well-ventilated place. Keep container tightly closed and cool.
Dispose of contents/container in accordance with local/regional/national regulations.

Other Hazards: No other information available

SECTION 3: Composition/information on ingredients

3.1. Substances

This product is a blend of the following ingredients

<u>Active Ingredient</u>	<u>CAS No.</u>	<u>GHS - US classification</u>
Modified phthalic/glycerol alkyl resin	67746-02-5	Not classified
Butyl Alcohol	71-36-3	Flammable liquid 3 Acute tox. 4 (oral) Skin irritant 2 Eye Damage 1

SECTION 4: First aid measures

Description of first aid measures

Generic measures

Eye Contact: Immediately flush with water holding eye open for 15-20 minutes. Remove contact lenses after 5 minutes if present and continue rinsing eye. Seek medical attention if irritation persists.
Skin Contact: Remove contaminated clothing and wash affected area with plenty of soap and water. If irritation persists call poison control or doctor for treatment advice
Inhalation: Remove individual to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call poison control center or doctor for further advice. Have the product label with you when calling a poison control center or doctor.

4.2. Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No other information available

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Foam, dry powder, carbon dioxide, water spray, sand
Unsuitable Extinguishing Media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No other information available

5.3. Advice for firefighters

Protection of Firefighters: Fight fire from upwind position. Wear full protective clothing and self contained breathing apparatus. Use water spray or fog to cool exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: To avoid exposure wear long sleeved shirt, long pants, waterproof gloves, shoes and socks. Evacuate unnecessary personnel.

For emergency responders: Wear a dust/mist filtering respirator meeting at least NIOSH standards N-95, R-95 or P-95. Ventilate area

6.2. Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-butanol (71-36-3)

ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	ACGIH STEL (ppm)	20 ppm

Modified phthalic glycerol alkyd resin (67746-02-5)

Not applicable

8.2. Exposure controls

Personal protective equipment

Hand protection	Avoid all unnecessary exposure. Wear protective gloves.
Eye protection	Chemical goggles or safety glasses.
Respiratory protection	Wear appropriate mask.
Other information	Do not eat, drink or smoke during use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Brown liquid.
Color	brown
Odor	Wine like
Odor threshold	No data available
pH	7
Melting point	Approximately °C
Freezing point	No data available
Boiling point	117°C
Flash point	44°C
Relative evaporation rate (butylacetate=1)	No data available
No data available	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20°C	No data available
Solubility	Water: Solubility in water of component(s) of the mixture: •1-butanol: 8 g/100ml
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high temperatures. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent. Aluminum. Copper. Nickel. Magnesium. Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity: Not classified

1-butanol (71-36-3)

LD50 oral rat	790 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature; 2293 mg/kg body weight; Rat; Experimental value)
LD50 dermal rabbit	3400 mg/kg (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 3430 mg/kg bodyweight; Rabbit)
LC50 inhalation rat (mg/l)	24 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	8000 ppm/4h (Rat)
ATE US (oral)	790.000 mg/kg bodyweight
ATE US (dermal)	3400.000 mg/kg bodyweight
ATE US (gases)	8000.000 ppmv/4h
ATE US (vapors)	24.000 mg/1/4h
ATE US (dust,mist)	24.000 mg/l/4h

Skin corrosion/irritation	Causes skin irritation. pH:7
Serious eye damage/irritation	Causes eye irritation. pH:7
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

1-butanol (71-36-3)

LCSO fish 1	1376 mg/l (96 h; Pimephales promelas; GLP)
LCSO other aquatic organisms 1	1200 mg/l (48 h; Xenopus laevis)
ECSO Daphnia 1	1328 mg/l (48 h; Daphnia magna; GLP)
LCSO fish 2	2300 mg/l (96 h; Alburnus alburnus)
ECSO Daphnia 2	1880 mg/l (24 h; Daphnia magna)
Threshold limit other aquatic organisms 1	1200 mg/l (48 h; Xenopus laevis; Toxicity test)
Threshold limit other aquatic organisms 2	280 mg/l (Pseudomonas putida)
Threshold limit algae 1	350 mg/l (Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	100 mg/l (192 h; Microcystis aeruginosa)

12.2. Persistence and degradability

Latron 8-1956

Persistence and degradability Not established.

1-butanol (71-36-3)

Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	1.1 - 1.92 g O ₂ /g substance
Chemical oxygen demand (COD)	2.46 g O ₂ /g substance
ThOD	2.59 g O ₂ /g substance
BOD (% of ThOD)	0.33 - 0.79 % ThOD

Modified phthalic glycerol alkyd resin (67746-02-5)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Latron 8-1956

Bioaccumulative potential	Not established.
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1-butanol (71-36-3)

BCF other aquatic organisms 1	3.16
Log Pow	1 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.

Modified phthalic glycerol alkyd resin (67746-02-5)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

1-butanol (71-36-3)

Surface tension	0.025 N/m (20°C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

Effect on the global warming	No known ecological damage caused by this product.
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	UN1993 Flammable liquids, n.o.s. (Butyl Alcohol), 3, III
UN-No. (DOT)	UN1993
Proper Shipping Name (DOT)	Flammable liquids, n.o.s.
Class (DOT)	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	3 - Flammable liquid
Packing group (DOT)	III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	203
DOT Packaging Bulk (49 CFR 173.xxx)	242
DOT Symbols	G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	B1 -If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241

of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks

IB3 - Authorized IBCs: Metal (31A, 31 Band 31 N); Rigid plastics (31 H1 and 31 H2); Composite (31 HZ1 and 31 HA2 31 HB2, 31 HN2, 31 HD2 and 31 HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672)

T4 - 2.65 178.274(d)(2) Normal178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$

Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling

TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP

DOT Packaging Exceptions (49 CFR 173.xxx) 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) 60L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) 220L

DOT Vessel Stowage Location A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel

Emergency Response Guide (ERG) Number 128

Other information Non-Bulk Containers (<119 gallons): This product is not regulated by DOT

Bulk Containers (equal to or >119 gallons): NA1993, Combustible liquid, n.o.s. (Butyl Alcohol), 3, PG III

If transporting this material in bulk containers, greater than 2,500 gallon, please contact manufacturer for appropriate shipping information.

TDG No additional information available

Transport by sea Limited quantities (IMDG)

Air transport No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

1-butanol CAS No 71-36-3

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA No additional information available

EU-Regulations No additional information available

National regulations No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Agricultural Insecticides, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Agricultural Insecticides, Inc. has been advised of the possibility of such damages.