



LABORATORIES

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Version 1

# Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** United 194 FIRE ANT K.O. Fire Ant Control

### Other means of identification

**SDS#** UNITED-194

### Recommended use of the chemical

#### And restrictions on use

**Recommended use** Provides Quick Killing Action and Residual Control

**Uses Advised Against** For industrial and institutional use only.

### Details of the supplier of the safety data sheet

#### **Company Name**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

### Emergency telephone number

**Company Phone Number** 800-323-2594 (to reorder)  
**Emergency Telephone** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Pressurized Gas	
Skin Sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 1
Flammable Aerosols	Category 1
Aquatic Chronic	Category 1

### Label elements

#### Emergency Overview

## Danger

#### **Hazard statements**

Extremely flammable gas. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.



**Appearance** Off White Liquid

**Physical state** Aerosol

**Odor** Slight

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground / bond container and receiving equipment. Use explosion-proof electrical/ventilating/light/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool. Protect from sunlight. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

**Response**

If on skin (or hair): Wash with plenty of soap and water. Remove immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or a rash occurs: Get medical advice/attention. Wash clothing before reuse. In case of fire: use extinguishing media listed in Section 5 of sds for extinction. Leaking gas fire – do not extinguish unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Collect spillage.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Not classified.

**Environmental hazards**

Hazardous to aquatic life.

**Supplemental information**

**Hazard statement**

Harmful to aquatic life.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Petroleum Distillate	64742-88-7	10-25	*
Propane	74-98-6	5-10	*
1, 3-Benzodioxole	51-03-6	1-5	*
Permethrin	52645-53-1	0.10-1.0	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**Skin Contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Eye contact** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Based on animal studies, symptoms of overexposure to this product include diarrhea, yellow nasal discharge, and activity decrease. If on skin: slightly irritation. My cause skin reaction. If in eyes: non-irritating. If ingested: not an expected route of exposure for an aerosol product. See section 2 for further details.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Foam or water. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical**

Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Keep away from heat/sparks/open flames/hot surfaces-no smoking. Keep cool and protect from sunlight. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/light/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. ERG Guide No. 126.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Put on appropriate personal protective equipment (see Section 8). Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Environmental precautions**

**Environmental precautions** Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Methods and material for containment and cleaning up**

Combustible. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Contain and soak up spill with absorbent material (oil-dry, sand, sawdust, vermiculate or other similar inert material). Do not allow leaking material to enter water source. Contains pesticides and petroleum solvent and may be toxic to aquatic life. Transfer into waste containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Keep away from heat/sparks/open flames/hot surfaces – No smoking. Wear protective gloves/eye protection/face protection. Avoid contact with skin or clothing. Handle containers carefully to prevent damage and spillage. See Section 2 for further details

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1, 3-Benzodioxole 51-03-6	Not Established	Not Established	Not Established
Propane 74-98-6	Ensure minimal oxygen content (ACGIH appendix F)	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Permethrin 52645-53-1	Not Established	Not Established	Not Established
Petroleum Distillate 64742-88-7	Not Established	Not Established	Not Established

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers, Eyewash stations & Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Not required. Goggles or glasses optional.

**Skin and body protection** Chemical resistant gloves.

**Respiratory protection** No respiratory protection needed if directions are followed. If remaining in the enclosed areas after use, use NIOSH approved respirator for pesticide vapors.

**General Hygiene** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See Section 2 for further details.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Aerosol
<b>Appearance</b>	Off White Liquid
<b>Color</b>	Off White
<b>Odor</b>	Slight
<b>Odor threshold</b>	No Information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	7.0 at 20°C	
Specific Gravity	0.98 at 20°C	
Viscosity	No information available	
Melting point/freezing point	No Information available	
Flash point	53 °C (128 °F)	
Boiling point / boiling range	No Information available	
Viscosity	124 cP at 21°C	
Evaporation rate	No Information available	
Flammability (solid, gas)	Gas	
Flammability Limits in Air	No information available	
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	90-110 psig @70F estimated	
Density	8.16 lbs/gal	
Water solubility	No Information available	
Partition coefficient	No Information available	
Autoignition temperature	No Information available	
Decomposition temperature	No Information available	
VOC Content (%)	26%	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

No information available.

**Conditions to avoid**

Do not store near heat or open flame. Store in a cool, dry area away from children.

**Hazardous Decomposition Products**

No hazardous decomposition products are known.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Prolonged inhalation may be harmful. Narcotic effects.
<b>Eye contact</b>	Avoid contact with eyes. Direct contact may cause serious eye irritation.
<b>Skin Contact</b>	Avoid contact with skin. May cause irritation.

**Ingestion** Expected to be a low ingestion hazard.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Distillates 64742-88-7	6000 mg/kg (Rat)	3000 mg/kg (Rabbit)	No data available
Propane 74-98-6	No data available	No data available	658 mg/l 4 hr. (Rat)
1,3-Benzodioxole 51-03-6	5630 mg/kg (Rat)	2000 mg/kg (Rat)	No data available
Permethrin 52645-53-1	383 mg/kg (Rat)	>2000 mg/kg (Rat)	No data available

Note: When no route specific LD50 data is available for acute toxin, the converted acute toxicity point estimate was used in the calculation of the products ATE (Acute toxicity Estimate).

**Information on toxicological effects**

**Symptoms** May cause an allergic skin reaction.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
1,3-Benzodioxole 51-03-6	-	Group 3	-	-
Propane 74-98-6	-	Group 3	-	-
Permethrin 52645-53-1	-	Group 3	-	-
Petroleum Distillates 64742-88-7	-	-	-	-

**IARC (International Agency for Research on Cancer)**

Group 3- Probably Carcinogenic to Humans  
 Not classifiable as a human carcinogen

**Serious eye damage/irritation** No information available.  
**Reproductive toxicity** No Information available.  
**Respiratory sensitization** No information available.  
**STOT - single exposure** No Information available.  
**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.  
**Aspiration hazard** No Information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects. Do not apply directly to water. Do not contaminate water by disposal of wastes.

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No Information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Replace cap, wrap container in several layers of newspaper and discard in trash. Do not incinerate or puncture. Can be disposed of with other recyclables where local law permits. Dispose of in accordance with federal, state, national, international regulations.

**14. TRANSPORT INFORMATION**

This product meets the exception requirements of Section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**DOT**

<b>UN/ID No.</b>	UN1950
<b>Proper shipping name</b>	Aerosols, flammable
<b>Transport hazard Class</b>	2.1

**IATA**

<b>UN/ID No.</b>	UN1950
<b>Proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class</b>	2.1

**IMDG**

<b>UN/ID No.</b>	UN1950
<b>Proper shipping name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1
<b>Environmental Class</b>	
<b>Marine Pollutant</b>	Yes (Permethrin)

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. 1,3-Benzodioxole (51-03-6)

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	Yes
<b>Reactive Hazard</b>	No

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**FIFRA Information**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label also includes other important information, including directions for use.

**U.S. State Right-to-Know Regulations**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
1,3-Benzodioxole 51-03-6	X	-	-
Propane 74-98-6	X	-	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 1	Flammability 2	Reactivity 0	<b>Physical and Chemical Properties</b> Yes
<b><u>HMIS</u></b>	Health hazards 1	Flammability 2	Reactivity 0	<b>Personal protection</b> n/ p

**Issue Date** 11-Apr-2015  
**Revision Date** 27-August-2015

**Revision Note**

No Information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**