

Issue Date 13-Feb-2015

Revision Date: 25-Jun-2015

Version 2

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** United 191 TOTAL RELEASE AIR SCRUBBER Orange

**Other means of identification**

**SDS #** UNITED-191

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Large Area Odor Neutralizer

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

**Details of the supplier of the safety data sheet**

**Supplier Address**

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 (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Classification**

Flammable Aerosol	Category 1
Eye irritation	Category 2A

**Label elements**

**Signal word** None

**Hazard statements**

Flammable Aerosol Contains gas under pressure; May explode if heated.  
Causes serious eye irritation.  
This product contains the following percentage of chemicals of unknown toxicity: 10%



**Appearance** Aerosol; Clear spray

**Physical State** Aerosol

**Odor** Spice Scent

**Emergency Overview****Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. -No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Protect from sunlight.  
Do not expose to temperatures exceeding 50°C/122°F.  
Store in a well-ventilated place.  
Wash hands thoroughly after handling.

**Precautionary Statements - Response**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Precautionary Statements - Storage**

Store according to local rules and regulations.

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight%
Acetone	67-64-1	3-7
Isoparaffinic Hydrocarbon	64742-47-8	7-13
Propane/ n-Butane	68476-86-8	10-30

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Skin Contact</b>	Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation persists.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.
<b>Acute Health Hazards</b>	Acute, inhalation of vapors may be narcotic or anesthetic. Ingestion of liquid will cause gastrointestinal distress, irritation, and possibly nausea. Liquid or vapors may be irritating to skin and eyes.
<b>Chronic Hazards</b>	May cause damage to the following organs: kidneys, livers, skin, and CNS depression.

### Most important symptoms and effects

<b>Symptoms</b>	No information available.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, Carbon dioxide, and alcohol foam

**Unsuitable Extinguishing Media** Water spray/steam

### Unusual Fire and Explosion Hazards

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other sources of ignition.

**Hazardous Combustion Products** Oxides of carbon

### Protective equipment and precautions for firefighters

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers. Shut off all sources of ignition.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Protection Equipment** Refer to section VIII for proper Personal Protection Equipment.

**Method and materials for containment and clean up**

**Method of Clean Up** Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling and Storage** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures Exceeding 50°C/122°F. Pressurized container: do not pierce or burn, even after use.

**Other Precautions** Keep out of the reach of children. Follow label instructions exactly. Avoid breathing fumes/vapors

**Incompatible Materials** Strong oxidizing agents, strong reducing agents, some plastics.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL
Acetone	500ppm	1000ppm
Isoparaffinic Hydrocarbon	400ppm	400ppm
Propane/n-Butane	1000ppm	1000ppm

**Appropriate engineering controls**

**Engineering Control**  
Use only outdoors or in a well-ventilated area.

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

**Eye/Face Protection** Safety glasses

**Respiratory Protection** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

**General Hygiene Considerations** Wash hands after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Orange Scent
<b>Appearance</b>	Aerosol; Clear spray	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	>54.44°C(>130°F)	Literary Reference

<b>Flash Point</b>	<37.78°C(<100°F)	
<b>Evaporation Rate</b>	>3 (Fast)	
<b>Flammability (Solid, Gas)</b>	Extremely flammable aerosol	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	<180 @ 21°C(70°F)	
<b>Vapor Density</b>	<2 @ 21°C(70°F)	
<b>Specific Gravity</b>	0.790	(1=Water)
<b>Water Solubility</b>	0%	
<b>Volatility Including Water</b>	100%	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>VOC Content</b>	27%	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not applicable.

**Chemical Stability**

Stable

**Possibility of Hazardous Reactions**

None known

**Conditions to Avoid**

Excess heat, open flame, sparks, electric equipment, ignition sources, and incompatible materials.

**Incompatible Materials**

Strong Oxidizing agents, strong reducing agents, some plastics.

**Hazardous Decomposition Products**

Oxides of carbon

**11. TOXICOLOGICAL INFORMATION**

**Product Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone 67-64-1	5800mg/kg (rat)	5340mg/kg (rabbit)	50100mg/m <sup>3</sup> 8hr (rat)
Isoparaffinic Hydrocarbon 64742-47-8	>15000mg/kg (rat)	5g/kg (rabbit)	5mg/L 4hr (rat)

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Causes irritation, may cause conjunctivitis with possible corneal injury.

**Skin Contact** Causes localized defatting, irritation, may be absorbed through skin with systemic effects.

<b>Inhalation</b>	May cause irritation to the respiratory tract, dizziness, headache, nausea, unconsciousness, central nervous system depression.
<b>Ingestion</b>	May cause gastrointestinal irritation, nausea, diarrhea, vomiting, aspiration hazards.

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** OSHA: Not classified ACGIH: A5-Not suspected NTP: N/A IARC:N/A Other: N/A

**Chronic Health Hazards** May cause damage to the following organs: kidneys, livers, skin, CNS depression.

**Numerical measures of toxicity**

**Acute Toxicity**

Acute, inhalation of vapors may be narcotic or anesthetic. Ingestion of liquid will cause gastrointestinal distress, irritation, and possibly nausea. Liquid or vapors may be irritating to skin and eyes.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects. Avoid releasing to the environment.

**Persistence/Degradability**

Component or components of this product are not biodegradable.

**Bioaccumulation**

Components in this mixture can bioaccumulate in aquatic organisms.

**Mobility**

This product is mobile in soil.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>RCRA Status</b>	Waste likely considered D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**14. TRANSPORT INFORMATION**

**Note**

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2013, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**DOT**

**Proper Shipping Name** Aerosols, Ltd. Qty.  
**UN No** UN1950  
**Hazard Class** 2.1  
**Packaging Group** N/A

**IATA**

**Proper Shipping Name** Aerosols, Ltd. Qty.  
**UN No** UN1950  
**Hazard Class** 2.1

**IMDG**

**Proper Shipping Name** Aerosols, Ltd. Qty.  
**UN No** UN1950  
**Hazard Class** 2.1  
**Environmental Hazards Water** Not applicable

**15. REGULATORY INFORMATION**

**International Inventory**

**TSCA:** All chemicals are listed or exempt.

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** No  
**Chronic Health Hazard** No  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain the following Chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CERCLA**

This product contains the following substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42).

Chemical Name	Cas-No	Reported Quantity
Acetone	67-64-1	=500lbs

**State Regulations**

**California Proposition 65**

None

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Special Hazards</b>
	1	3	0	None
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	3	0	A

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**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**



Issue Date 13-Feb-2015

Revision Date: 29-Jun-2015

Version 2

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** United 191 TOTAL RELEASE AIR SCRUBBER Spice

**Other means of identification**

**SDS #** UNITED-191

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Large Area Odor Neutralizer

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

**Details of the supplier of the safety data sheet**

**Supplier Address**

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 (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Classification**

Flammable Aerosol	Category 2
Eye irritation	Category 2B

**Label elements**

**Signal word** WARNING

**Hazard statements**

Extremely Flammable Aerosol Contains gas under pressure; May explode if heated.  
Causes serious eye irritation.  
This product contains the following percentage of chemicals of unknown toxicity: 3%



**Appearance** Aerosol; Clear spray

**Physical State** Aerosol

**Odor** Spice Scent

**Emergency Overview****Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. -No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Protect from sunlight.  
Do not expose to temperatures exceeding 50°C/122°F.  
Store in a well-ventilated place.  
Wash hands thoroughly after handling.  
Wear eye protection.

**Precautionary Statements - Response**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Precautionary Statements - Storage**

Store according to local rules and regulations.

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight%
Acetone	67-64-1	3-7
Isoparaffinic Hydrocarbon	64742-47-8	5-10
Propane/ n-Butane	68476-86-8	10-30

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Skin Contact</b>	Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation develops.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.
<b>Acute Health Hazards</b>	Eyes: redness ,tearing, blurring vision
<b>Chronic Hazards</b>	None known

### Most important symptoms and effects

<b>Symptoms</b>	No information available.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, Carbon dioxide, foam, and water spray or fog

**Unsuitable Extinguishing Media** None known

### Unusual Fire and Explosion Hazards

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other sources of ignition.

**Hazardous Combustion Products** Oxides of carbon

### Protective equipment and precautions for firefighters

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing in smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Protection Equipment** Refer to section VIII for proper Personal Protection Equipment.

**Method and materials for containment and clean up**

**Method of Clean Up** Stop all leaks, isolate hazard area, absorb spill with inert material (dry sand, dirt, etc) eliminate all ignition sources. Prevent runoff from entering drain, sewers, streams, and other bodies of water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling and Storage** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures Exceeding 50°C/122°F. Pressurized container: do not pierce or burn, even after use.

**Other Precautions** Keep out of the reach of children.

**Incompatible Materials** Strong oxidizers, Alkalies, Acids

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL
Acetone	500ppm	1000ppm
Isoparaffinic Hydrocarbon	400ppm	400ppm
Propane/n-Butane	1000ppm	N/A

**Appropriate engineering controls**

**Engineering Control**  
Ambient ventilation adequate.

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

**Eye/Face Protection** Safety glasses

**Respiratory Protection** Not required with normal use.

**General Hygiene Considerations** Wash hands after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Spice Scent
<b>Appearance</b>	Aerosol; Clear spray	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	7		
<b>Melting Point/Freezing Point</b>	Not determined	Literary Reference	
<b>Boiling Point/Boiling Range</b>	Not determined		
<b>Flash Point</b>	>93C(>200°F)		
<b>Evaporation Rate</b>	<1		



**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** OSHA: No ACGIH: No NTP: No IARC: No Other: N/A

**Chronic Health Hazards** None known

**Numerical measures of toxicity**

**Acute Toxicity**

Eyes: redness, tearing, blurred vision.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Not Expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment wash water.

**Persistence/Degradability**

Component or components of this product are not biodegradable.

**Bioaccumulation**

This product is not expected to bioaccumulate.

**Mobility**

This product is mobile in soil.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA Status** Waste likely considered D001, under RCRA; however product should be fully characterized prior to disposal (40 CFR 261).

**14. TRANSPORT INFORMATION**

**Note**

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2013, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**DOT**

<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>UN No</b>	UN1950
<b>Hazard Class</b>	2.1
<b>Packaging Group</b>	N/A

**IATA**

<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>UN No</b>	UN1950
<b>Hazard Class</b>	2.1

**IMDG**

<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>UN No</b>	UN1950
<b>Hazard Class</b>	2.1
<b>Environmental Hazards Water</b>	N/A

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA**

All Chemicals are listed or exempt.

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain the following Chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CERCLA**

This product does not contain substances regulated as pollutants pursuant to the Clean Water Act.

**California Proposition 65**

None

**16. OTHER INFORMATION**

<u><b>NFPA</b></u>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Reactivity</b> 0	<b>Special Hazards</b> None
<u><b>HMIS</b></u>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	<b>Personal Protection</b> A

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Revision Note	New format

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**End of Safety Data Sheet**