

# IR-303 II Spot Remover

## 1. Identification

**Product Name:** IR-303 II Spot Remover  
**Product Code:** 195-002  
**SDS Date:** 10/15/2019  
**Use:** Industrial

Lawson Screen Products  
5110 Penrose St  
St. Louis, MO 63115

**General Information: 314-382-9300**  
**CHEMTREC: 800-262-484-9300**

## 2. Hazard(s) identification

### GHS Classification

Flammable Liquids, (Category 2)  
Acute Oral Toxicity (Category 4)  
Acute Inhalation Toxicity (Category 4)  
Skin irritation (Category 2)  
Eye Irritation (Category 2B)  
Carcinogen (Category 1B)  
Reproductive Toxicity (Category 1B)  
Specific target organ toxicity (single exposure), (Category 3)

### Pictogram



**Signalword** Danger

### Hazard Statement

Highly flammable liquid and vapor.  
Harmful if inhaled.  
May be harmful if swallowed.  
Causes skin irritation.  
Causes eye irritation.  
May cause cancer.  
May damage fertility.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.

### Precautionary

Do not handle until all safety precautions have been read and understood. Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Keep container tightly closed. Take precautionary measures against static discharge. Do not breathe vapors/ mist/ spray. Do not get in eyes, on skin or clothing. Do not eat, drink or smoke

when using this product. Use in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Wear safety glasses or full face shield. Wear Viton gloves. DO NOT use natural rubber gloves when handling this product. Wear protective clothing. Wear respiratory protection. IF EXPOSED or concerned or if you feel unwell: Get medical advice/attention 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 advice/attention. IF ON SKIN: remove immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. IF INHALED: Remove individual to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF ON CLOTHING: remove immediately all contaminated clothing. Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish. Store in well ventilated area in tightly closed containers. Keep cool. Store locked up. Dispose of containers at an approved waste disposal plant.

**Hazards not otherwise classified:** Not available

### 3. Composition/information on ingredients

Name	CAS	Concentration
Tert-Butyl Acetate	540-88-5	20-50
1-Bromopropane	106-94-5	30-80
1,2 butylene oxide	106-88-7	<1
n-Propanol	71-23-8	<4
t-butyl alcohol	75-65-0	<1

### 4. First-aid measures

**General Advice** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If Inhaled** Remove person to fresh air. Give oxygen if breathing is difficult. Apply CPR respiration if individual is not breathing.

**In Case of Skin Contact** Wash contaminated areas immediately with soap and water. Remove contaminated clothing and shoes. Seek medical advice.

**In Case of Eye Contact** Flush eyes with water for at least 15 minutes. Seek emergency medical advice.

**If Swallowed** Drink large amounts of water. DO NOT induce vomiting. Seek emergency medical advice. Rinse mouth with water.

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

No information available.

**Indications of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. Fire-fighting measures

**Extinguishing Media** Extinguishing media should be chosen based on surrounding conditions. Water may be effective for cooling but not extinguishing. Carbon dioxide, dry chemical powder, alcohol foam or polymer foam.

<b>Special Hazards</b>	Do not weld or torch cut drums containing residual vapors, as vapors may be in the flammable range and an explosion could occur. Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrogen halide and bromides.
<b>Advice for firefighters</b>	Use NIOSH approved self-contained breathing apparatus in positive pressure mode. Use water spray or fog to cool exposed equipment and containers.
<b>Further Information</b>	No data available.

## 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures</b>	Wear self-contained breathing apparatus and recommended personal protective equipment.
<b>Environmental precautions</b>	Contain spillage or leakage with dikes or absorbent material to prevent migration into sewer or waterway. For large spills, evacuate and ventilate the area.
<b>Methods and materials for containment and cleaning up</b>	Absorb with earth, sand, or other non-combustible absorbent material and place in closed container for disposal.

## 7. Handling and storage

<b>Safe Handling</b>	Wear safety glasses or full face mask. Use gloves when contact with product may occur. DO NOT use natural rubber gloves when handling this product. Vi ton or Silvershield gloves offer the best extended protection. Nitrile, neoprene or butyl gloves offer less protection and should be used for splash protection only.
<b>Safe Storage</b>	Store in well ventilated, cool, dry area away from incompatible materials (see materials to avoid). Keep container closed when not in use. Minimize introduction of water or moisture into the product. Keep away from heat, sparks, and open flame.

## 8. Exposure controls/personal protection

Name	CAS		
Tert-Butyl Acetate	540-88-5		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
200 ppm	No data available	200 ppm	No data available
1-Bromopropane	106-94-5		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
No data available	No data available	0.1 ppm	No data available
1,2 butylene oxide	106-88-7		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
No data available	No data available	No data available	No data available

n-Propanol	71-23-8		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
200 ppm	No data available	100 ppm	No data available
t-butyl alcohol	75-65-0		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
100 ppm	Not Available	100 ppm	Not Available

**Engineering Control** Showers, Eye wash stations, Ventilation systems

**Eye/Face Protection** Always wear safety goggles or full face shield.

**Skin Protection** Use gloves when contact with product may occur. DO NOT use natural rubber gloves when handling this product. Viton or Silvershield gloves offer the best extended protection. Nitrile, neoprene or butyl gloves offer less protection and should be used for splash protection only.

**Body Protection** No data available

**Respiratory Protection** Use full face piece, NIOSH approved organic vapor respirator.

**Control of Environmental Exposure**  
Prevent migration into sewer or waterway.

## 9. Physical and chemical properties

<b>Appearance</b>	1-Bromopropane	Clear, colorless to yellow liquid
<b>Odor</b>	1-Bromopropane	Characteristic
<b>Odor Threshold</b>	1-Bromopropane	Not available
<b>pH</b>	1-Bromopropane	6.8 estimated based on nPB
<b>Melting/Freezing Point</b>	1-Bromopropane	-110° C estimated based on nPB
<b>Initial Boiling Point/Range</b>	1-Bromopropane	158°F (700C)
<b>Flash Point</b>	T Butyl Acetate	39F (4C)
<b>Evaporation Rate</b>	1-Bromopropane	4.7
<b>Flammability</b>	1-Bromopropane	Not available
<b>Upper Explosion Limit</b>	T Butyl Acetate	6.88%
<b>Lower Explosion Limit</b>	T Butyl Acetate	1.26%
<b>Vapor Pressure</b>	1-Bromopropane	134@ 25°C
<b>Vapor Density</b>	1-Bromopropane	4.24 estimated based on nPB
<b>Relative Density</b>	1-Bromopropane	4.24 estimated based on nPB
<b>Water Solubility</b>	1-Bromopropane	0.24 estimated based on nPB

**Partition Coefficient** 1-Bromopropane No information available

**Auto Ignition Temperature** 1-Bromopropane 860°F ( 460°C)

**Decomposition Temperature** 1-Bromopropane No information available

**Viscosity** 1-Bromopropane No information available

## 10. Stability and reactivity

**Reactivity** Hazardous polymerization will not occur

**Chemical Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** Organic Peroxide: No; Pyroforic: No; Water Reactive: No

**Conditions to Avoid** Avoid open flame, electric arc and other high energy ignition sources. Prolonged contact with free water may result in diminished stabilizer and corrosion.

**Incompatible materials** Incompatible with strong alkalis, oxidizers, bases, reactive metals and natural rubber.

**Hazardous Decomposition Products** Thermal decomposition produces carbon monoxide, carbon dioxide, and hydrogen bromide.

## 11. Toxicological information

Name	CAS
Tert-Butyl Acetate	540-88-5
LD50 Oral - Rat - male - 4,100 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - male and female - > 2,000 mg/kg	
<b>Skin corrosion/irritation</b> Result: No skin irritation - 4 h	
<b>Serious eye damage/eye irritation</b> Result: No eye irritation - 72 h	
<b>Respiratory or skin sensitization</b> Did not cause sensitisation on laboratory animals.	
<b>Germ cell mutagenicity</b> Result: negative	
<b>Carcinogenicity</b> Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH, or OSHA	
<b>Reproductive</b> No data available	
<b>Additional information</b> No data available	

Name	CAS
1-Bromopropane	106-94-5
Oral LD50 Inhalation rat: 30 min. 50,291 ppm	
inhalation LC50 rat: 30 min. 50,291 ppm	
4 hour 14,374 ppm	
Dermal: no data available	
<b>Skin corrosion/irritation</b> No information available.	
<b>Serious eye damage/eye irritation</b> No information available.	
<b>Respiratory or skin sensitization</b> No information available.	
<b>Germ cell mutagenicity</b> Negative	
<b>Carcinogenicity</b> NTP - reasonably anticipated to be a human carcinogen	
<b>Reproductive</b> No information available.	
<b>Additional information</b> High concentration are irritating to the respiratory tract and may cause headache, dizziness, nausea, vomiting, or narcosis. Chronic overexposure at high levels may cause adverse effects in the central nervous system, reproductive system, respiratory system, kidney and liver. Persons having pre-existing diseases of the lungs, eyes, or skin may have an increased susceptibility to the hazards of excessive exposure.	

Name	CAS
1,2 butylene oxide	106-88-7
LD50 Oral - Rat - 500 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - 1,741 mg/kg	
<b>Skin corrosion/irritation</b> Mild skin irritation	
<b>Serious eye damage/eye irritation</b> Moderate eye irritation	
<b>Respiratory or skin sensitization</b> No information available.	
<b>Germ cell mutagenicity</b> Laboratory experiments have shown mutagenic effects.	
<b>Carcinogenicity</b> IARC: 2B - Group 2B: Possibly carcinogenic to humans (1,2 Epoxybutane)	
<b>Reproductive</b> No data available	
<b>Additional information</b> Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea	

Name	CAS
n-Propanol	71-23-8
LD50 Oral - Rat - 8,038 mg/kg	
LC50 Inhalation - Rat - 1 h - 20000 ppm	
LC50 Dermal - Rabbit - 4,000 mg/kg	
<b>Skin corrosion/irritation</b> Result: No skin irritation	
<b>Serious eye damage/eye irritation</b> Result: Severe eye irritation	
<b>Respiratory or skin sensitization</b> Result: Did not cause sensitisation on laboratory animals.	
<b>Germ cell mutagenicity</b> No data available	
<b>Carcinogenicity</b> Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.	
<b>Reproductive</b> No data available	
<b>Additional information</b> May cause drowsiness or dizziness. Central nervous system depression, prolonged or repeated exposure can cause:, narcosis, Skin irritation	

Name	CAS
t-butyl alcohol	75-65-0
LD50 Oral - Rat - 5,800 mg/kg	
LC50 Inhalation - Rat - 8 h - 50,100 mg/m <sup>3</sup>	
LD50 Dermal - Guinea pig - 7,426 mg/kg	
<b>Skin corrosion/irritation</b> Result: Mild skin irritation - 24 h	
<b>Serious eye damage/eye irritation</b> Result: Eye irritation - 24 h	
<b>Respiratory or skin sensitization</b> Result: Does not cause skin sensitisation.	
<b>Germ cell mutagenicity</b> No data available	
<b>Carcinogenicity</b> Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
<b>Reproductive</b> No data available	
<b>Additional information</b> Kidney Irregularities, Skin Dermatitis	

## 12. Ecological information

Name	CAS	Toxicity
Tert-Butyl Acetate	540-88-5	LD50 Oral - Rat - male - 4,100 mg/kg LD50 Dermal - Rabbit - male and female - > 2,000 mg/kg
1-Bromopropane	106-94-5	LC50 (96 Hours) For Fathead Minnows

1,2 butylene oxide	106-88-7	No data available
n-Propanol	71-23-8	LC50 - Pimephales promelas (fathead minnow) - 4,555 mg/l - 96 h EC50 - Daphnia magna (Water flea) - 3,642 mg/l - 48 h EC50 - Pseudokirchneriella subcapitata (green algae) - 9,170 mg/l - 48 h
t-butyl alcohol	75-65-0	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 6,140 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 933 mg/l - 48 h

### 13. Disposal considerations

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

### 14. Transport information

<b>Proper Shipping Name</b>	Flammable Liquids, n.o.s. (Butyl Acetate)
<b>Hazard Class</b>	3
<b>Identification Number</b>	UN1993
<b>Packing Group</b>	II
<b>Label</b>	Flammable

### 15. Regulatory information

Name	CAS
Tert-Butyl Acetate	540-88-5
<b>SARA 302/304</b>	No data available
<b>SARA 313</b>	No data available
<b>CERCLA</b>	RQ = 5,000 lbs
<b>SARA 311/312</b>	No data available
<b>PROP 65</b>	No data available

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.



## Lawson Screen Products

10/15/2019

IR-303 II

Name	CAS
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1-Bromopropane	106-94-5
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**SARA 302/304** No components were identified

**SARA 313** No components were identified

**CERCLA** No components were identified

**SARA 311/312** No components were identified

**PROP 65** Cancer hazard, and developmental hazard (male and female)

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
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1,2 butylene oxide	106-88-7
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**SARA 302/304** No components were identified

**SARA 313** 313

**CERCLA** RQ = 100 lbs

**SARA 311/312** No components were identified

**PROP 65** No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
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n-Propanol	71-23-8
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**SARA 302/304** No components were identified

**SARA 313** No components were identified

**CERCLA** No components were identified

**SARA 311/312** Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**PROP 65** No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
t-butyl alcohol	75-65-0
<b>SARA 302/304</b>	No components were identified
<b>SARA 313</b>	313
<b>CERCLA</b>	No components were identified
<b>SARA 311/312</b>	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
<b>PROP 65</b>	No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

## 16. Other information, including date of preparation or last revision

SDS Date: 8/8/2017

### Disclaimer:

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