



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>LPS® HDX (Aerosol)</b>
<b>Other means of identification</b>	
<b>Part Number</b>	01020
<b>Recommended use</b>	A degreaser designed to remove grease, oil, dirt and other residues from metal and other hard surfaces near ignition sources.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Manufacturer</b>	
<b>Company name</b>	LPS Laboratories, a division of Illinois Tool Works, Inc.
<b>Address</b>	4647 Hugh Howell Rd. Tucker, GA 30084 (U.S.A.)
<b>Country</b>	(U.S.A.)
<b>In Case of Emergency</b>	Tel: +1 770-243-8800 1-800-424-9300 (inside U.S.) +001 703-527-3887 (outside U.S.)
<b>Website</b>	www.lpslabs.com
<b>E-mail</b>	sds@lpslabs.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Gases under pressure	Compressed gas
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. May cause cancer. May cause drowsiness or dizziness.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing and wash before reuse. 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 inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store locked up.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
1,1,2-trichloroethylene		79-01-6	90 - 100
Carbon Dioxide		124-38-9	1 - 5

### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Dermatitis. Rash. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin irritation. May cause redness and pain.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a POISON CENTER or doctor/physician if you feel unwell.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Water spray, fog or regular foam.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire-fighting equipment/instructions</b>	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.
<b>Specific methods</b>	Cool containers exposed to flames with water until well after the fire is out.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Contents under pressure. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store locked up. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Butanone (CAS 78-93-3)	PEL	590 mg/m <sup>3</sup> 200 ppm	
Camphor USP (CAS 76-22-2)	PEL	2 mg/m <sup>3</sup>	
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m <sup>3</sup> 5000 ppm	
Diphenyl Oxide (CAS 101-84-8)	PEL	7 mg/m <sup>3</sup>	Vapor.
Iso amyl acetate (CAS 123-92-2)	PEL	1 ppm 525 mg/m <sup>3</sup>	Vapor.
Turpentine (CAS 8006-64-2)	PEL	100 ppm 560 mg/m <sup>3</sup> 100 ppm	

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
1,1,2-trichloroethylene (CAS 79-01-6)	Ceiling	200 ppm
	TWA	100 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1,1,2-trichloroethylene (CAS 79-01-6)	STEL	25 ppm	
	TWA	10 ppm	
Butanone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Camphor USP (CAS 76-22-2)	STEL	3 ppm	
	TWA	2 ppm	
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Diphenyl Oxide (CAS 101-84-8)	STEL	2 ppm	Vapor.
	TWA	1 ppm	Vapor.
Iso amyl acetate (CAS 123-92-2)	STEL	100 ppm	
	TWA	50 ppm	
Turpentine (CAS 8006-64-2)	TWA	20 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
1,1,2-trichloroethylene (CAS 79-01-6)	TWA	25 ppm	
Butanone (CAS 78-93-3)	STEL	885 mg/m3	
	TWA	300 ppm	
Camphor USP (CAS 76-22-2)	TWA	590 mg/m3	
	TWA	200 ppm	
Carbon Dioxide (CAS 124-38-9)	TWA	2 mg/m3	
	STEL	54000 mg/m3	
Diphenyl Oxide (CAS 101-84-8)	TWA	30000 ppm	
	TWA	9000 mg/m3	
Iso amyl acetate (CAS 123-92-2)	TWA	5000 ppm	
	TWA	7 mg/m3	Vapor.
Turpentine (CAS 8006-64-2)	TWA	1 ppm	Vapor.
	TWA	525 mg/m3	
	TWA	100 ppm	
	TWA	560 mg/m3	
	TWA	100 ppm	

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value
1,2 Butylene Oxide (CAS 106-88-7)	TWA	5.9 mg/m3
		2 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
1,1,2-trichloroethylene (CAS 79-01-6)	15 mg/l	Trichloroacetic acid	Urine	*
	0.5 mg/l	Trichloroethano l, without hydrolysis	Blood	*
Butanone (CAS 78-93-3)	2 mg/l	MEK	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.

**Skin protection**

**Hand protection** Chemical resistant gloves are recommended.

**Other** Avoid contact with the skin. Wear appropriate chemical resistant clothing.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance** Clear. Liquid.

**Physical state** Gas.

<b>Form</b>	Aerosol.
<b>Color</b>	Clear, Colorless
<b>Odor</b>	Sweet, Spice
<b>Odor threshold</b>	Not established
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	Not established
<b>Initial boiling point and boiling range</b>	188.6 °F (87 °C)
<b>Flash point</b>	Tag Closed Cup (None)
<b>Evaporation rate</b>	0.3 (Ethyl Ether = 1)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	8 %
<b>Flammability limit - upper (%)</b>	10.5 %
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	58 mm Hg @ 20 °C
<b>Vapor density</b>	4.5
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	0.1 %
<b>Partition coefficient (n-octanol/water)</b>	2.4
<b>Auto-ignition temperature</b>	> 788 °F (> 420 °C)
<b>Decomposition temperature</b>	Not established
<b>Viscosity</b>	0.53 cP @ 25 °C
<b>Other information</b>	
<b>Explosive properties</b>	Not established.
<b>Heat of combustion</b>	< 20 kJ/g
<b>Oxidizing properties</b>	Not established.
<b>Percent volatile</b>	100 %
<b>Specific gravity</b>	1.41 - 1.47 @ 20 °C
<b>VOC (Weight %)</b>	97.8 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Reacts violently with sodium, potassium, barium metal. Reacts with finely divided aluminum, zinc and magnesium.
<b>Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Hydrogen chloride. Chlorine. Phosgene.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Inhalation</b>	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Exposure may cause temporary irritation, redness, or discomfort. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Information on toxicological effects**

**Acute toxicity** Narcotic effects.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,1,2-trichloroethylene (CAS 79-01-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	20 ml/kg
<i>Inhalation</i>		
LC50	Mouse	8450 mg/l, 4 Hours
	Rat	26000 mg/l, 1 Hours
		12000 mg/l, 4 Hours
LD50	Mouse	49000 mg/l, 30 Minutes
		5500 mg/l, 10 Hours
NOEL	Ape	730 mg/l
	Guinea pig	730 mg/l
	Rabbit	1200 mg/l, 473 Hours
		730 mg/l
	Rat	100 mg/l, 8 Hours
<i>Oral</i>		
LD50	Dog	5680 mg/kg
	Mouse	2402 mg/kg
	Rat	4920 mg/kg
<i>Other</i>		
LD100	Mouse	5500 mg/kg
LD50	Dog	2783 mg/kg
	Mouse	2402 mg/kg
	Rabbit	29 g/kg
1,2 Butylene Oxide (CAS 106-88-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2100 mg/kg
<i>Inhalation</i>		
LC100	Rat	8000 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	500 mg/kg
Butanone (CAS 78-93-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 8000 mg/kg > 10 ml/kg
<i>Inhalation</i>		
LC50	Mouse	11000 mg/l, 45 Minutes
	Rat	11700 mg/l, 4 Hours
<i>Oral</i>		
LD50	Mouse	670 mg/kg
	Rat	2054 mg/kg

Components	Species	Test Results
		4.29 ml/kg
<i>Other</i>		
LD50	Mouse	1660 g/kg, 24 Hours
	Rat	12290 mg/kg, 24 Hours
Camphor USP (CAS 76-22-2)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	1310 mg/kg
<i>Other</i>		
LD50	Mouse	3000 mg/kg
	Rat	70 mg/kg
Diphenyl Oxide (CAS 101-84-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 7940 mg/kg
<i>Oral</i>		
LD100	Guinea pig	4 g/kg
	Rat	4 g/kg
LD50	Rat	2.83 g/kg
Iso amyl acetate (CAS 123-92-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5 g/kg
<i>Oral</i>		
LD50	Rabbit	7400 mg/kg
	Rat	16600 mg/kg
Turpentine (CAS 8006-64-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Mouse	29 mg/l
		29 mg/l, 2 Hours
	Rat	3590 mg/l, 1 Hours
		12 mg/l, 6 Hours
<i>Oral</i>		
LD50	Rat	3700 mg/kg
		4.6 ml/kg
<i>Other</i>		
LD50	Mouse	1180 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>ACGIH sensitization</b>		
Turpentine (CAS 8006-64-2)	Sensitiser.	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	Suspected of causing genetic defects.	

**Carcinogenicity** May cause cancer.

**ACGIH Carcinogens**

1,1,2-trichloroethylene (CAS 79-01-6) A2 Suspected human carcinogen.  
Camphor USP (CAS 76-22-2) A4 Not classifiable as a human carcinogen.  
Turpentine (CAS 8006-64-2) A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

1,1,2-trichloroethylene (CAS 79-01-6) 1 Carcinogenic to humans.  
1,2 Butylene Oxide (CAS 106-88-7) 2B Possibly carcinogenic to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

1,1,2-trichloroethylene (CAS 79-01-6) Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Narcotic effects.

**Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results	
1,1,2-trichloroethylene (CAS 79-01-6)			
<b>Aquatic</b>			
Fish	LC50	Flagfish ( <i>Jordanella floridae</i> )	3.1 mg/l, 96 hours
Butanone (CAS 78-93-3)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	4025 - 6440 mg/l, 48 hours
Fish	LC50	Sheepshead minnow ( <i>Cyprinodon variegatus</i> )	> 400 mg/l, 96 hours
Diphenyl Oxide (CAS 101-84-8)			
<b>Aquatic</b>			
Fish	LC50	Sheepshead minnow ( <i>Cyprinodon variegatus</i> )	1.8 - 3.2 mg/l, 96 hours

**Persistence and degradability** Not inherently biodegradable.

**Bioaccumulative potential** Not available.

**Partition coefficient n-octanol / water (log Kow)**

LPS® HDX (Aerosol) 2.4  
1,1,2-trichloroethylene 2.61  
Butanone 0.29  
Diphenyl Oxide 4.21

**Mobility in soil** No data available.

**Other adverse effects** None known.

**13. Disposal considerations**

**Disposal instructions** Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** D003: Waste Reactive material  
D040: Waste Trichloroethylene



**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

**14. Transport information**

**DOT**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, non-flammable, (each not exceeding 1 L capacity)
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.2
<b>Subsidiary risk</b>	6.1(PGIII)
<b>Label(s)</b>	2.2
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Not available.
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

**IATA**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, non-flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.2
<b>Subsidiary risk</b>	6.1(PGIII)
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	No
<b>ERG Code</b>	2L
<b>Special precautions for user</b>	Not available.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

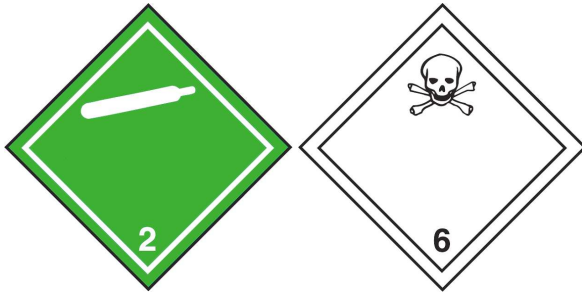
**IMDG**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.2
<b>Subsidiary risk</b>	6.1(PGIII)
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	F-D, S-U
<b>Special precautions for user</b>	Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

**DOT**





## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

1,1,2-trichloroethylene (CAS 79-01-6)	Listed.
1,2 Butylene Oxide (CAS 106-88-7)	Listed.
Butanone (CAS 78-93-3)	Listed.
Iso amyl acetate (CAS 123-92-2)	Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - No
	Pressure Hazard - Yes
	Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1,1,2-trichloroethylene (CAS 79-01-6)
1,2 Butylene Oxide (CAS 106-88-7)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Butanone (CAS 78-93-3)	6714
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#### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Butanone (CAS 78-93-3)	35 % weight/volumn
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#### DEA Exempt Chemical Mixtures Code Number

Butanone (CAS 78-93-3)	6714
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### US state regulations

#### US. Massachusetts RTK - Substance List

1,1,2-trichloroethylene (CAS 79-01-6)
1,2 Butylene Oxide (CAS 106-88-7)
Butanone (CAS 78-93-3)

Camphor USP (CAS 76-22-2)  
Carbon Dioxide (CAS 124-38-9)  
Diphenyl Oxide (CAS 101-84-8)  
Iso amyl acetate (CAS 123-92-2)  
Turpentine (CAS 8006-64-2)

#### US. New Jersey Worker and Community Right-to-Know Act

1,1,2-trichloroethylene (CAS 79-01-6)  
1,2 Butylene Oxide (CAS 106-88-7)  
Butanone (CAS 78-93-3)  
Camphor USP (CAS 76-22-2)  
Carbon Dioxide (CAS 124-38-9)  
Diphenyl Oxide (CAS 101-84-8)  
Iso amyl acetate (CAS 123-92-2)  
Turpentine (CAS 8006-64-2)

#### US. Pennsylvania Worker and Community Right-to-Know Law

1,1,2-trichloroethylene (CAS 79-01-6)  
1,2 Butylene Oxide (CAS 106-88-7)  
Butanone (CAS 78-93-3)  
Camphor USP (CAS 76-22-2)  
Carbon Dioxide (CAS 124-38-9)  
Diphenyl Oxide (CAS 101-84-8)  
Iso amyl acetate (CAS 123-92-2)

#### US. Rhode Island RTK

1,1,2-trichloroethylene (CAS 79-01-6)  
1,2 Butylene Oxide (CAS 106-88-7)  
Butanone (CAS 78-93-3)  
Iso amyl acetate (CAS 123-92-2)

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,1,2-trichloroethylene (CAS 79-01-6) Listed: April 1, 1988

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

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**Disclaimer** Not available.