

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 107 AEROSOL SAFETY SOLVENT

Other means of identification

SDS# UNITED-107

Recommended use of the chemical

And restrictions on use

Multi-Purpose Cleaner

Recommended use

For institutional and industrial use only.

Uses Advised Against

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

Emergency Telephone

800-323-2594 (to reorder)
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)

Gases under pressure	Compressed gas
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1
Germ cell mutagenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3 Narcotic Effects

Label elements

Emergency Overview

Danger

Hazard statements

Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin irritation. May cause drowsiness and dizziness. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child.



Appearance Clear

Physical state Aerosol

Odor Alcohol

Prevention

Do not handle until all safety precautions have been read and understood. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin: Wash with plenty of water. If inhaled: Remove individual 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 so. Continue rinsing. If concerned or exposed, get medical advice/attention. Call a poison control center if you feel unwell. If eye irritation persists: Get medical attention /advice. Take off contaminated clothing and wash before reuse.

Storage

Store in well-ventilated place. Keep container tightly closed. Store Locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

No information available.

Environmental hazards

Hazardous to the aquatic environment, acute hazard – Category 3
 Hazardous to the aquatic environment, long-term hazard – Category 3

Supplemental information

Hazard statement

Harmful to aquatic life. Harmful to aquatic life with long-lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Trichloroethylene	79-01-6	90-100	*
Carbon Dioxide	124-38-9	2.5-10	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact

Take off immediately all contaminated clothing. Wash off with soap and plenty of water. Call a poison center or physician if irritation develops and persists. Wash clothing separately before reuse.

<u>Eye contact</u>	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 or persists.
<u>Inhalation</u>	Remove individual to fresh air and keep at rest in a position comfortable for breathing. Call poison center or physician if symptoms develop or persist.
<u>Ingestion</u>	Rinse mouth. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

Skin irritation. Causes serious eye irritation. Symptoms may include stinging, redness, tearing, swelling and blurred vision. May cause drowsiness or dizziness. Vapors have a narcotic effect and may cause headache, fatigue, dizziness or nausea.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water. Water Fog. Foam. Dry Chemical. Carbon Dioxide.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters

Firefighters must use self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk.

6. ACCIDENTAL RELEASE MEASURES

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised in significant spillages cannot be contained.

Environmental precautions**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

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

Prevent further leakage or spillage if safe to do so. Stop leak if you can do so without risk. Move the container to a safe and open area if the leak is irreparable.

Methods for cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see Section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Pressurized container: Do not pierce or burn, even after use. Use only in well-ventilated areas. Provide adequate ventilation. Do not get in eyes, on skin or clothing. Do not re-use empty containers. Do not use if spray button is missing or defective. Avoid breathing dust/fume/gas/mist/vapors or spray. Observe good industrial hygiene practices. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Pressurized container. Do not puncture, incinerate or crush. Do not handle or store near flame, heat and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area. Keep out of reach of children.

Incompatible materials

Store away from incompatible materials (see Section 10 of the SDS). Store in a well-ventilated place. Level 1 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No Exposure limits noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trichloroethylene (79-01-6)	STEL: 25 ppm TWA: 10 ppm	Ceiling: 200 ppm TWA: 100 ppm	TWA: 25 ppm
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	PEL: 9000 mg/m3 PEL: 5000 ppm	STEL: 54000 mg/m3 TWA: 30000 ppm TWA: 9000 mg/m3 TWA: 5000 ppm

NIOSH IDLH *Immediately Dangerous to Life or Health*

Biological limited values

Chemical Name	Value	Determinant	Specimen*
Trichloroethylene (76-01-6)	15 mg/l	Trichloroacetic Acid	Urine
	0.5 mg/l	Trichloroethanol, without hydrolysis	Blood

*For sampling details, please see source document

Appropriate engineering controls

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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Wear protective gloves and suitable protective clothing. Wear appropriate thermal protective clothing, when necessary.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established) an approved respirator must be worn.

General Hygiene

When using do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Regular cleaning of equipment, work area and clothing is recommended, to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol.
Appearance	Clear.
Color	Clear Liquid.
Odor	Alcohol Odor.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No Information available.	
Specific Gravity	1.516 estimated.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	None estimated.	
Boiling point/boiling range	186.8°F (86°C)	
Evaporation rate	No information available.	
Flammability Limit – lower	No information available.	
Flammability Limit – upper	No information available.	
Vapor pressure	100-120 psig@70°F.	
Vapor density	No information available.	
Relative density	No information available.	
Water Solubility	No information available.	
Partition coefficient (n-octanol/water)	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
Viscosity	No information available.	
VOC (weight %)	96.60%	

10. STABILITY AND REACTIVITY

Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable at normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to avoid

Contact with incompatible materials. Avoid heat, sparks, open flames and other ignition sources. Fire or intense heat may cause violent rupture of packages.

Incompatible materials

Oxidizing agents.

Hazardous Decomposition Products

Hydrogen chloride. Other hazardous decomposition products may be formed.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	No adverse effects due to inhalation are expected.
Eye contact	Causes serious eye irritation.
Skin Contact	No adverse effects due to skin contact are expected.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation. Causes serious eye irritation. Symptoms may include stinging, redness, swelling and blurred vision. May cause central nervous system effects. Symptoms of overexposure may be headache, dizziness, tiredness nausea and vomiting.

Information on toxicological effects

Acute toxicity Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Chemical Name	Dermal LD50	Oral LD50	Inhalation LC50/NOEL
Trichloroethylene (79-01-6)	20 ml/kg (Rabbit)	2402 mg/kg (Mouse)	8450 mg/l, 4 hours (Mouse)
Trichloroethylene (79-01-6)	-	-	*1200 mg/l, 473 hours 730 mg/l 100 mg/l, 8 hours (NOEL – Rabbit)
*NOEL			

*Estimates for product may be based on additional component data not shown.

Skin/Eye irritation	Causes skin irritation and serious eye irritation.
Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	Suspected of causing birth defects.
Carcinogenicity	Suspected of causing cancer Trichloroethylene (79-01-6) - IARC – 2A probably carcinogenic to humans Trichloroethylene (79-01-6) – NTP – Reasonable anticipated to be a human carcinogen.
Reproductive toxicity	Suspected of damaging fertility.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	No Information available.
Aspiration hazard	Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on environment.

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Chemical Name	Partition coefficient n-octanol / water (log Kow)
Trichloroethylene 79-01-6	2.61

Other adverse effects No other adverse environmental effects are expected from this component.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
US RCRA Hazardous Waste U List: Reference	Trichloroethylene U228
Waste from residues/unused products	Disposal should be 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	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

DOT

UN/ID No.	UN1950
Proper shipping name	Aerosols
Transport hazard class(es)	2.2
Subsidiary class(es)	6.1 (PGIII)
Labels required	2.2, 6.1
Packaging exceptions	306

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III
Transport hazard class(es)	2.2
Subsidiary class(es)	6.1 (PGIII)
Labels required	2.2, 6.1
Environmental hazards	No.
ERG Code	2P

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Transport hazard Class(es)	2.2
Subsidiary class(es)	6.1 (PGIII)
Labels(s)	2.2, 6.1
Environmental Class	
Marine Pollutant	No.
EmS	F-D,S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

International Inventories

County(s) or Region

Australia	Yes*
China	Yes*
Europe	Yes*
Japan	Yes*
Korea	Yes*
New Zealand	Yes*
Philippines	Yes*

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

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Not Regulated
DSL/NDSL - Canadian Domestic Substances List – Yes Non-Domestic Substances List - No

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

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	Yes
Reactive Hazard	No

SARA 304 Emergency release notification

Not regulated.

SARA 302 Extremely hazardous substance No

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

Trichloroethylene (79-01-6)

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

No regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Trichloroethylene (79-01-6) Listed.

US State Regulations

California Proposition 65

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

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Pennsylvania
Trichloroethylene 79-01-6	X	X
Carbon Dioxide 124-38-9	-	X

16. OTHER INFORMATION

HMIS **Health hazards** 2* **Flammability** 2 **Physical hazards** 0 **Personal protection** x

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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