



Safety Data Sheet

Issue Date 11-Apr-2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 157 FLASH IN A CAN

Other means of identification

SDS# UNITED-157

Recommended use of the chemical

And restrictions on use

Recommended use Super Solvent

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

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)

Flammable Aerosols	Category 1
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3 Narcotic Effects

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. May damage fertility or the unborn child.



Appearance Clear Spray

Physical state Aerosol

Odor Solvent

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn even after use. Pressurized container. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/fact protection.

Response

If inhaled: Remove person 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. Continue rinsing. If exposed: call a poison center or physician. If concerned see medical attention. If eye irritation persists: get medical attention.

Storage

Store in a 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)

Not classified.

Environmental hazards

Hazardous to the aquatic, acute hazard and long-term hazard: Category 2

Supplemental information

Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Avoid release to the environment. Collect spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	80-90	*
Aliphatic Petroleum Solvent	64742-89-8	2.5-10	*
Carbon Dioxide	124-38-9	2.5-10	*
n-Heptane	142-82-5	2.5-10	*
Cyclohexane	110-82-7	0.1-1	*
Toluene	108-88-3	0.1-1	*
Other components below reportable levels		0-0.1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.
This substance has workplace exposure limit(s).

4. FIRST AID MEASURES

First aid measures

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

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

Most important symptoms and effects, both acute and delayed

Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry chemical powder. Water fog. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread fire.

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

Firefighter must use SCBA and full protective clothing must be worn in case of fire.

Specific methods

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

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

Keep unnecessary personnel away. Keep people away from and upwind or spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if 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 Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do without risk.

Methods for cleaning up Move the container to a safe and open area if the leak is irreparable. 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 Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not spray on a naked flame or any other incandescent material. Do not use if spray button is missing or defective. Use only in well-ventilated areas. Provide adequate ventilation. Do not get this material in contact with eyes. Avoid breathing dust/fumes/gas/mist/vapors/spray. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use. Do not re-use empty containers. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Keep away from heat, sparks and open flame. Store in well-ventilated place. Keep out of reach of children. Level 2 Aerosol.

Incompatible materials Store away from incompatible materials (see Section 10 of this SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines No Exposure limits noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	PEL: 2400 mg/m ³ PEL: 1000 ppm	TWA: 590 mg/m ³ TWA: 250 ppm
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	PEL: 9000mg/m ³ PEL: 5000 ppm	STEL: 54000 mg/m ³ STEL: 30000 ppm TWA:9000 mg/m ³ TWA: 5000 ppm
Cyclohexane 110-82-7	TWA: 100 ppm	PEL: 1050mg/m ³ PEL: 300 ppm	TWA: 1050 mg/m ³ TWA: 300 ppm
n-Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	PEL: 2000 mg/m ³ PEL: 500 ppm	Ceiling: 1800 mg/m ³ Ceiling: 440 ppm TWA: 350 mg/m ³ TWA: 85 ppm
Toluene 108-88-3	TWA: 20 ppm	Ceiling: 300 ppm TWA: 200 ppm	STEL: 560 mg/m ³ STEL: 150 ppm TWA 375 mg/m ³ TWA 100 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Biological Limits Acetone (67-64-1) 50mg/l- Value / Determinant –Acetone / Specimen-Urine
Toluene (108-88-3) 0.3 mg/g –Value / Determinant-o-Cresol, with hydrolysis / Specimen-Creatinine in Urine. Value-0.03 mg/l – Toluene / Specimen-Urine. Value-0.02 mg/l- Toluene / Specimen –Blood.

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

Exposure guidelines

US-California OELs: Skin designation – Toluene (108-88-3) Can be absorbed through skin.
 US-Minnesota Haz. Subs: Skin designation applies – Toluene (108-88-3) Skin designation applies.

Appropriate engineering controls

Engineering Controls Explosion-proof general and local exhaust ventilation. Provide eyewash station.

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 this material, do not eat, drink or smoke. Wash after handling the material and before eating, drinking and/or smoking. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Gas
Appearance Clear Spray
Color Colorless
Odor Solvent

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Specific Gravity	0.828 estimated	
Viscosity	No information available	
Melting point/freezing point	No Information available	
Flash point	-4.00°F (-20.00°C) Concentrate	
Boiling point / boiling range	140°F (60°C) estimated	
Evaporation rate	No Information available	
Flammability (solid, gas)	No information available	
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	45-60 psig @ 70°F	
Vapor density	No Information available	
Relative density	No Information available	
Water solubility	No Information available	
Partition coefficient	No Information available	
Autoignition temperature	No information available	
Decomposition temperature	No Information available	
VOC Content	9.87%	

10. STABILITY AND REACTIVITY

Reactivity

Product is stable and non-reactive under normal conditions.

Chemical stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

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

Hazardous Decomposition Products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	No adverse effects due to inhalation are expected.
Eye contact	Cause eye irritation.
Skin Contact	Causes mild skin irritation.
Ingestion	Expected to be a low ingestion hazard.

Information on toxicological effects

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

Symptoms related to the physical, Chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling and blurred vision. May cause central nervous system effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀ / Other*
Acetone 67-64-1	5800 mg/kg (Rat)	20000 mg/kg 20 ml/kg (Rabbit)	76 mg/l, 4 hours 50. mg/l, 8 hours (Rat) 5500 mg/kg* (Rat)
Cyclohexane 110-82-7	29820 mg/kg (Rat)	-	NOEL 1243 mg/l 6 hours (Monkey)
n-Heptane 142-82-5	-	-	103 mg/l 4 hours (Rat) 222 mg/kg* (Mouse)
Toluene 108-88-3	2.6 g/kg (Rat)	12124 mg/kg (Rabbit)	5320 mg/l 8 hours (Mouse) 59 mg/kg* (Rat)

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

Skin corrosion/irritation	Causes mild skin irritation.
Serious eye damage/eye irritation	Causes eye irritation.
Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No information available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. IARC Monographs. Overall Evaluation of Carcinogenicity – Toluene (108-88-3)
IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable as a human carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Respiratory sensitization Not a respiratory sensitizer.
Reproductive toxicity May damage fertility or the unborn child.
STOT – single exposure May cause drowsiness or dizziness.
STOT – repeated exposure None known.
Aspiration hazard Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
 Toxic to aquatic life with long-lasting effects.

Persistence and degradability
 No Information available.

Bioaccumulation
 No Information available.

Chemical Name	Partition coefficient n-octanol / water (log Kow)
Acetone	-0.24
Cyclohexane	3.44
Toluene	2.73
n-Heptane	4.66

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

Acetone (67-64-1)	U002
Cyclohexane (110-82-7)	U056
Toluene (108-88-3)	U220

Waste from residues/unused products Dispose of in accordance with local regulations. Empty containers or liners may remain some product residues. This material and its container must be disposed of in a safe manner.

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 12/31/2020 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
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging bulk/non bulk	None.

IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Label(s)	2.1
Packing group	
Environmental hazards	Yes
ERG	10L

IMDG

UN/ID No.	UN1950
UN Proper shipping name	Aerosols, Marine Pollutant
Transport hazard class(es)	
Class	2.1
Environmental Class	Yes.
Marine Pollutant	
EmS	F-D,S-U
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	Ltd. Qty.

15. REGULATORY INFORMATION

International Inventories

TSCA	Not Regulated.
DSL/NDSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory –Yes
 DSL/NDSL - Canadian Domestic Substances List-Yes /Non-Domestic Substances List-No
 Australia, Canada, Japan, Europe, China, Korea, New Zealand and Philippines, United States and Puerto Rico-Yes

US Federal Regulations

SARA 302 Extremely hazardous substance

No

SARA 304 Emergency release notification

Not regulated.

SARA 311/312 Hazard Chemical

None known.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Acute health hazard Yes
 Chronic Health Hazard Yes
 Fire hazard Yes
 Sudden release of pressure hazard Yes
 Reactivity Hazard Yes

DEA (Drug Enforcement Administration) List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310 (f)(2) and Chemical Code Number

Acetone (67-64-1) 6532
 Toluene (108-88-3) 6594

Drug Enforcement Administration. List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (67-64-1) 35%WV
 Toluene (108-88-3) 35%WV

DEA Exempt Chemical Mixtures Code Number

Acetone (67-64-1) 6532
 Toluene (108-88-3) 594

FDA

Not regulated.

SDWA

Not regulated.

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

Toluene (108-88-3)

CAA (Clean Air Act) Section 112 Accidental Release Prevention (40 CFR 68,130)

Not Regulated.

CERCLA-Hazardous Substance List

Acetone (67-64-1) Listed.
 Cyclohexane (110-82-7) Listed.
 Toluene (108-88-3) Listed.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	-	X	X
Carbon Dioxide 124-38-9	-	X	X
Cyclohexane 110-82-7	X	X	X
Toluene 108-88-3	X	X	X
n-Heptane 142-82-5	-	X	X

US California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defect or other reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards ND	Flammability ND	Reactivity ND	Physical and Chemical Properties Personal protection p, n & x
<u>HMIS</u>	Health hazards *1	Flammability 3	Reactivity 0	

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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