Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 17-July-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 150 CARBO-CLEAN

Other means of identification
SDS# UNITED-150

Recommended use of the chemical And restrictions on use
Recommended use Carburetor And Choke Cleaner
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
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Emergency Overview

Danger

Hazard statements
Extremely flammable aerosols. Causes serious eye irritation. May cause drowsiness or dizziness. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Appearance Clear **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 no 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 or concerned: seek medical attention. Call poison center or physician if you feel unwell. 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	*
Toluene	108-88-3	2.5-10	*
Carbon Dioxide	124-38-9	2.5-10	*
Other components below reportable levels		0-0.1	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Inhalation Remove individual to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison center if you feel unwell.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

Most important symptoms and effects, both acute and delayed

Irritation of eyes and mucous membranes. Prolonged exposure may cause chronic effects. May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Alcohol resistant foam. Powder. Water. Carbon dioxide (CO2).

Unsuitable extinguishing media Caution: do not use solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Protective equipment and precautions for firefighters
Firefighter must use standard protective equipment including flame retardant coat, helmet with face shield, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

General fire hazards
None known.

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. Keep out of low areas. 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 if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

Environmental precautions

Environmental precautions Avoid release to the environment. Inform appropriate managerial or local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the

Methods and material for containment and cleaning up

Methods for containment Refer to attached SDS 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. Many gases are heavier than air and will spread along ground and collect in low confined area (sewers, basements, tanks). Keep out of low areas. Stop leak if you can do at no risk.

Methods for cleaning up Move the container to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into sewer, basement or confined areas. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not handle until all safety precautions have been read and understood. Pressurized container: do not pierce or burn, even after use. Do not use if spray button is missing. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not weld, drill, grind, cut or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use in well-ventilated area. Do not eat or smoke when using product. Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C/120°F. Do not puncture, incinerate or crush. Keep away from flame, heat and sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible material. See Section 10 of this SDS. Level 2 Aerosol.

Incompatible materials Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines No Exposure standards allocated.

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 mg/m^3
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 Limit Values*

Acetone (67-64-1) Value: 50 mg/l Determinant: Acetone Specimen: Urine
Toluene (108-88-3) Value: 0.3mg/l Determinant: O-Cresol with hydrolysis Specimen: Creatinine in Urine
Value: 0.03 mg/l Determinant: Toluene Specimen: Urine
Value: 0.02 mg/l Determinant: Toluene Specimen: Blood

*For sampling details, please see the source document

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

Appropriate engineering controls

Engineering Controls Good 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. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear eye/face protection. Wear safety glasses with side shields or goggles.

Skin and body protection For prolonged or repeated skin contact use protective gloves and protective clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

General Hygiene When using this material, do not eat, drink or smoke. Do not get this material in contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Wear appropriate thermal protective clothing, when necessary. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Clear
Color	Clear
Odor	Solvent
Odor threshold	No Information available

Property	**Values**	**Remarks • Method**
pH	No information available.	
Specific Gravity	0.806 estimated	
Viscosity	No information available.	
Melting point/freezing point	No Information available	
Flash point	-156.00 °F (-104.44°C) Propellant est.	
Boiling point / boiling range	152.6°F (67°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	60-70 psig @ 70°F estimated.	
Vapor density	No Information available	
Relative density	No Information available	
Water solubility	Partially.	
Partition coefficient	No Information available	
Autoignition temperature	No information available.	
Decomposition temperature	No Information available	
VOC Content	No information available.	

10. STABILITY AND REACTIVITY

Reactivity
Product is stable and non-reactive under normal conditions.

Chemical stability
Product is stable under normal conditions.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid temperatures exceeding the flash point.

Hazardous Decomposition Products
No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Prolonged or repeated exposure may be harmful. Narcotic effects. May cause damage to organs by inhalation
Eye contact	Cause serious eye irritation.
Skin Contact	No information available.
Ingestion	Expected to be a low ingestion hazard.

Information on toxicological effects

Acute Toxicity

Symptoms related to the physical, Chemical and toxicological characteristics 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	5800mg/kg (Rat)	20000 mg/kg 20 ml/kg (Rat)	76 mg/l, 4 hours 50.1 mg/l, 8 hours (Rat) 5500 mg/kg* (Rat)
Toluene 108-88-3	2.6 g/kg (Rat)	12124 mg/kg 14.1 ml/kg (Rabbit)	5320 mg/l, 8 hours 400 mg/l, 24 hours (Mouse) 59 mg/kg * (Mouse)

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

Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No expected to be hazardous by OSHA criteria.
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

Skin corrosion/irritation	Not expected to be hazardous by OSHA criteria.
Serious eye damage/irritation	Causes serious eye irritation.
Reproductive toxicity	May damage fertility or unborn child. Not expected to be hazardous by OSHA criteria.
STOT – single exposure	Narcotic effects.
STOT – repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	No likely, due to the form of the product.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long-lasting effects. Accumulation in aquatic organisms is expected.

Persistence and degradability
No Information available.

Bioaccumulation
No Information available.

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

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. Contents under pressure. Do not puncture, incinerate or crush. 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.

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
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 Follow label warnings even after container is emptied, as some may retain residue. Do not re-use emptied containers.

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
Label(s)	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
Packaging group	
Packaging Exceptions	Limited Quantity.
Environmental hazards	
ERG	10L

IMDG

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

15. REGULATORY INFORMATION

International Inventories

Australia, Canada, China, Europe,	Japan, Korea, New Zealand, Philippines, United States and Puerto Rico
TSCA	Not classified.
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, Japan, Europe, China, Korea, New Zealand and Philippines-Yes

US Federal Regulations

SARA 302 – Extremely Hazardous substance **–** No.
SARA 304 – Emergency release notification – Not regulated.

SARA 311/312 Hazard Categories

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

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

CAA (Clean Air Act) Section 112 Hazardous Pollutants (HAPs) List
Toluene (108-88-3)

CAA (Clean Air Act) Section 112(r) Accidental Release Prevention (40 CFR 68,130)
Not Regulated.

FDA (Food and Drug Administration)
Not regulated**.**

CERCLA-Hazardous Substance List
Acetone (67-64-1) Listed.
Toluene (108-88-3) Listed.
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US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
Carbon Dioxide 124-38-9	X	X	X
Toluene 108-88-3	X	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

NFPA	**Health hazards** -	**Flammability** -	**Instability** -	**Physical and Chemical Properties**
HMIS	**Health hazards** 1*	**Flammability** 3	**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