



LABORATORIES

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Version 2

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 189 LIFT OFF!

Other means of identification

SDS# UNITED 189

Recommended use of the chemical

And restrictions on use Wood and Metal Finish Remover

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 800-323-2594 (reorder)
Emergency Telephone 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 Aerosol	Category 2
Liquefied Gas	
Skin Irritant	Category 2
Eye Irritant	Category 2B
Carcinogenicity	Category 2
Specific Target Organ Toxicity (repeated exposure)	Category 1
Acute Toxicity Oral	Category 4

Label elements

Emergency Overview

Danger

Hazard statements

Flammable aerosol. Contains gas under pressure; may explode if heated. Harmful if swallowed. Causes skin and eye irritation. Suspected of causing cancer. Causes damage to eyes and central nervous system with prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: 0%.



Appearance Viscous Hazy

Physical state Aerosol

Odor Chlorinated Solvent

Prevention

Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Store in a well-ventilated area. Wash hands thoroughly after handling. Keep away from heat, sparks, open flames and hot surfaces – no smoking. Do not eat, drink, or smoke when using this product. Do not breathe fumes, mist, vapors, or spray.

Response

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. 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 so. Continue rinsing. If eye irritation persists: Get medical attention /advice. If swallowed: Call a poison center or doctor if you feel unwell. Rinse mouth. Wear protective gloves and eye protection. If exposed or concerned: Get medical advice or attention.

Storage

Store in well-ventilated place. 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

No information available.

Supplemental information**Hazard statement**

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Methylene Chloride	75-09-2	40-70%	*
Propane/n-Butane	68476-86-8	10-30%	*
Methyl Alcohol	67-56-1	7-13%	*

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

4. FIRST AID MEASURES

First aid measures**Skin Contact**

Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

Eye contact

Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention or advice if irritation develops.

Inhalation

Remove individual to fresh air. If not breathing administer artificial respiration. Seek immediate attention.

Ingestion

If swallowed: Rinse mouth. Do not induce vomiting. Seek medical attention or advice.

Most important symptoms and effects, both acute and delayed

Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Inhalation: Irritation. Oral: Abdominal irritation, nausea, vomiting and diarrhea. Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

Indication of any immediate medical attention and special treatment needed

Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry Chemical. Carbon dioxide. Foam.

Unsuitable extinguishing media Water spray/stream.

Specific hazards arising from the chemical:

Wear NIOSH approved SCBA with a full piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Cool fire exposed containers with water fog to prevent bursting.

General fire hazards

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters

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

Hazardous Combustion Products

Oxides of carbon, chlorine, hydrogen chloride and phosgene.

6. ACCIDENTAL RELEASE MEASURES

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

Refer to Section 8 for proper Personal Protective Equipment.

Environmental precautions**Environmental precautions**

None Known.

RCRA Status

Waste solvent likely considered U080 (Methylene Chloride), hazardous, under RCRA, however product should be fully characterized prior to disposal. (40 CFR 261).

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

Remove sources of ignition such as pilot lights. Material is heavier than air and can settle in low lying area in flammable concentrations, ventilate area. Product will undergo rapid evaporation. Use absorbent on spill sweep to clean. Small releases may be wiped up with wiped up with wiping material. Dispose of residue in accordance with federal, state and local guidelines. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

Waste Disposal

Dispose of in accordance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Use gloves, lab coat or apron, splash goggles, and use a vapor respirator approved/certified respirator or equivalent when ventilation is not adequate.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Avoid exposure to direct sunlight, or temperatures exceeding 50°C/122°F. Store in well-ventilated area. Do not pierce or burn, even after use.

Incompatible materials

Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals, such as aluminum and magnesium powder, sodium, potassium and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attach some forms of plastics, rubber and coatings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No Exposure limits noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane/n-Butane 68476-86-8	1000 ppm	1000 ppm	-
Methylene Chloride 75-09-2	50 ppm	25 ppm	-
Methyl Alcohol 67-56-1	200 ppm	200 ppm	-

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limited values

No information available.

Appropriate engineering controls

Engineering Controls

Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses.

Skin and body protection

Chemical resistant gloves.

Respiratory protection

Wear NIOSH/MSHA approved vapor respiratory protection if used in confined, poorly ventilated areas.

General Hygiene

When using, do not eat, drink or smoke. Always observe good personal hygiene measures. Do not handle until all safety precautions have been read and understood.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol.
Appearance	Viscous, Hazy Spray
Color	Hazy
Odor	Chlorinated Solvent
Odor Threshold	21 mg/m ³ (Methylene Chloride)

Property	Values	Remarks • Method
pH	No information available.	
Specific Gravity	1.185 @ 77°F (25°)	
Viscosity	No information available.	
Melting point/freezing point	No information available.	
Flash point	No information available.	
Boiling point/boiling range	>104°F (40°C)	
Evaporation rate	>2	
Flammability	Flammable aerosol.	
Flammability Limit – lower	No information available.	
Flammability Limit – upper	No information available.	
Vapor pressure	>100	
Vapor density	>2	
Relative density	No information available.	
Water Solubility	14%	
Partition coefficient (n-octanol/water)	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
Volatile including water	No information available.	
Viscosity	No information available.	
VOC (weight %)	32%	

10. STABILITY AND REACTIVITY

Reactivity

Chemically active metals and acids.

Chemical stability

Material is stable at normal conditions.

Possibility of Hazardous Reactions

None Known.

Conditions to avoid

Temperatures greater than 122°F and sources of ignition.

Incompatible materials

Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals, such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attach some forms of plastics, rubber and coating.

Hazardous Decomposition Products

Oxides of carbon, chlorine, hydrogen chloride and phosgene.

11. TOXICOLOGICAL INFORMATION

Toxicological Information

Information on likely routes of exposure

Eyes, Ingestion, Inhalation and Skin.

Product Information

Inhalation

Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects and death.

Eye contact

Causes severe eye irritation, redness, tearing, pain, may cause eye damage.

Skin Contact

Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

Ingestion

Nausea, vomiting, headaches, abdominal pain, diarrhea, dizziness, tremor, drowsiness, pulmonary edemas, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from unconsciousness to death.

Symptoms related to the physical, chemical and toxicological characteristics

Excessive exposure will aggravate preexisting disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

Chemical	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Methylene Chloride 75-09-2	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	52000 mg/m ³ (Rat)
Methyl Alcohol 67-56-1	100 mg/kg	300 mg/kg	-

Information on toxicological effects

Acute toxicity

Eyes: redness, tearing and blurred vision. Skin: defatting and dermatitis. Inhalation: Irritation. Oral: abdominal irritation, nausea, vomiting and diarrhea.

Skin/Eye irritation

May cause skin/eye irritation.

Sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No information available.

Carcinogenicity

IARC: 2B-Possible. OSHA: Yes. NTP: 2 – Anticipated. ACGIH: A3 – Animal Carcinogen.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Chronic hazard

Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

Medical Condition Aggravated

Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Methylene Chloride (75-09-2) and Methanol (67-56-1).

Persistence and degradability

Component or components of this product are not biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Soil Mobility

This product is mobile in soil.

Other adverse effects

This material is toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations

Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Do not reuse, puncture, or incinerate container.

US RCRA Hazardous Waste U List: Reference

Waste solvent likely considered U080 (Methylene Chloride), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

Waste from residues/unused products

Disposal should be in accordance with local regulations. (See disposal instructions).

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
Proper shipping name Aerosols, Ltd., Qty.
Transport hazard class(es) 2.1 (6.1)
Packaging Group No information available.

IATA

UN/ID No. UN1950
UN proper shipping name Aerosols, Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III
Transport hazard class(es) 2.1 (6.1)
Packaging Group No information available.

IMDG

UN/ID No. UN1950
Proper shipping name Aerosols, Toxic
Transport hazard class(es) 2.1 (6.1)
Packaging Group No information available.

Environmental Class No information available.

15. REGULATORY INFORMATION

International Inventories

Class D-1B material causing immediate and serious toxic effects. Class D-2A: Material causing other toxic effects (very toxic). DSCCL (EEC): R22-harmful if swallowed. R38-irritating to skin. R41-Risk of serious damage to eyes. R45 may cause cancer.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Yes all chemicals listed.
 DSL/NDL - 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 does contain 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. Methylene Chloride 67-56-1.

SARA 311/312 Hazard Categories

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

CERCLA Hazardous Substance List (40 CFR 302.4)

This material, as supplied, does not contain a substance regulated as a hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). Methanol (67-56-1), reportable quantity=5000 lbs. Methylene Chloride (75-09-2), reportable quantity=1000 lbs.

US State Regulations

This product does contain a chemical known to the state of California to cause birth defects or other reproductive harm or cancer.

California Proposition 65

This product does contain a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: Methylene Chloride (75-09-2).

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey/Massachusetts	Pennsylvania
Methylene Chloride	X	X
Methanol	-	-

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 2	Reactivity 0	Physical/Chemical Properties: None
HMIS	Health hazards 3	Flammability 2	Reactivity 0	Personal protection B

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Revision Note
Revised

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