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
Recommended use Wood and Metal Finish Remover
Uses Advised Against For institutional and industrial 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 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)

<table>
<thead>
<tr>
<th>Category</th>
<th>Flammable Aerosol</th>
<th>Liquefied Gas</th>
<th>Skin Irritant</th>
<th>Eye Irritant</th>
<th>Carcinogenicity</th>
<th>Specific Target Organ Toxicity (repeated exposure)</th>
<th>Acute Toxicity Oral</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 2</td>
<td></td>
<td></td>
<td></td>
<td>Category 2</td>
<td></td>
<td>Category 2B</td>
<td>Category 1</td>
</tr>
<tr>
<td>Category 2B</td>
<td></td>
<td></td>
<td></td>
<td>Category 2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

*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
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).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane/n-Butane 68476-86-8</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Methylene Chloride 75-09-2</td>
<td>50 ppm</td>
<td>25 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Methyl Alcohol 67-56-1</td>
<td>200 ppm</td>
<td>200 ppm</td>
<td>-</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous, Hazy Spray</td>
</tr>
<tr>
<td>Color</td>
<td>Hazy</td>
</tr>
<tr>
<td>Odor</td>
<td>Chlorinated Solvent</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>21 mg/m³ (Methylene Chloride)</td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.185 @ 77°F (25°C)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt;104°F (40°C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt;2</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammable aerosol.</td>
</tr>
<tr>
<td>Flammability Limit – lower</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability Limit – upper</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;2</td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>14%</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Volatile including water</td>
<td>No information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>VOC (weight %)</td>
<td>32%</td>
</tr>
</tbody>
</table>

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 attack 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

Symptoms related to the physical, chemical and toxicological characteristics

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.

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>&gt;2000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>52000 mg/m³</td>
</tr>
<tr>
<td>75-09-2</td>
<td>(Rat)</td>
<td>(Rat)</td>
<td>(Rat)</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>100 mg/kg</td>
<td>300 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>67-56-1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on toxicological effects

Acute toxicity


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

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.

Disposal Considerations

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

US RCRA Hazardous Waste

U List: Reference

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). DSCL (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/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 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey/Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Methanol</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Physical/Chemical Properties: None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal protection B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

Issue Date 07-Aug-2015
Revision Date 20-Oct-2017

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