Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 21-May-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 111 Brake Parts Cleaner

Other means of identification

SDS# UNITED 111

Recommended use of the chemical And restrictions on use

Recommended use For fast removal of grease, oil, fluid and asbestos particles.

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
Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity – inhalation	Category 4
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (single exposure)	Category 3 Narcotic Effects
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1
Skin corrosion / irritation	Category 2

Label elements

Emergency Overview

Danger

Hazard statements
Extremely flammable aerosols.

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Harmful in contact with skin. Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
May cause drowsiness or dizziness.
May damage fertility or the unborn child.
Causes damage to organs. May cause damage to organs with prolonged exposure.
Toxic to aquatic life, and with long lasting effects.

Appearance Straw colored liquid **Physical state** Gas **Odor** Ketone 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. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/ Protective clothing/eye protection/fact protection.

Response
If swallowed: Immediately call poison center or physician. If on skin: wash with plenty of water. If inhaled: removed person to fresh air. 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. Specific treatment (see label). Rinse mouth. Do not induce vomiting. If skin irritation occurs: get medical attention or advice. If eye irritation persists: get medical attention. Take off contaminated clothing and wash before reuse. Collect spillage.

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
35% of the mixture consists of component(s) of unknown acute oral toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	40-60	*

Toluene	108-88-3	20-40	*
Methanol	67-56-1	10-20	*
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 Call a physician or poison center immediately.

Eye contact Call a physician or poison center immediately.

Inhalation Remove individual to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a physician or poison center immediately. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

May cause dizziness and drowsiness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep individual warm. Keep individual under observation. Symptoms may be delayed.

General information

Take off contaminated clothing and shoes immediately. Immediate medical attention is required. If you feel unwell, seek medical advice (show the able where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient and could spread fire.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame. Fire may produce irritating, corrosive and /or toxic gases.

Protective equipment and precautions for firefighters
Firefighter must use standard protective equipment including flame retardant coat, helmet with face shield, sloes rubber boots, and in an 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. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

General fire hazards
Extremely flammable aerosol.

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 and clothing during clean-up. Do not breathe gas. Do not tough 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 supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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. If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed. Prevent entry into waterways, confined areas, sewer, and waterways. Following product recovery, flush area with water. Small spills wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove any residual contamination. For waste disposal, see Section 13 of the SDS. This material and its container must be disposed of as hazardous waste.

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. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not eat or smoke when using product. Do not swallow. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place, with area equipped with sprinklers. Do not puncture, incinerate or crush. Keep away from all food. Keep away from heat and sources of ignition. Avoid exposure to direct sunlight. Keep in properly labeled containers. This material can accumulate static charge which may cause spark and become an ignition source. Store in ventilated area. Level 2 Aerosol.

Incompatible materials Acids. Strong oxidizing agents. Aluminum. Do not mix with other chemicals.

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/m3 PEL: 1000 ppm	TWA: 590 mg/m3 TWA: 250 ppm
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	PEL: 9000mg/m3 PEL: 5000 ppm	STEL: 54000 mg/m3 STEL: 30000 ppm TWA:9000 mg/m3 TWA: 5000 mg/m3
Methanol 67-56-1	TWA: 200 ppm STEL: 250 ppm	PEL: 260 mg/m3 PEL: 200 ppm	STEL: 325 mg/m3 STEL: 250 ppm TWA: 260 mg/m3 TWA 200 ppm
Toluene 108-88-3	TWA 20 ppm	Ceiling: 300ppm TWA: 200 ppm	STEL: 560 mg/m3 STEL: 150 ppm TWA 375 mg/m3 TWA 100 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

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

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. Ensure adequate ventilation, especially in confined areas. Showers and eye wash facility must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields or wear tight-fitting goggles. Avoid contact with eyes.

Skin and body protection Wear protective gloves and protective clothing. Avoid contact with skin. Wear chemical protective equipment. Use an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary.

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. 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	None
Color	Straw
Odor	Ketone Solvent
Odor threshold	No Information available

Property	Values	Remarks • Method
pH	Not an Aqueous Solution	
Specific Gravity	0.814 estimated	
Viscosity	Water Thin	
Melting point/freezing point	No Information available	
Flash point	-0.4 °F (-18.0°C) Tag closed up estimated	
Boiling point / boiling range	110.87° (43.82°C) estimated	
Evaporation rate	No Information available	
Flammability (solid, gas)		
Flammability Limits in Air		
Upper flammability limit:	>2.6% estimated	
Lower flammability limit:	<12.8% estimated	
Vapor pressure	No Information available	
Vapor density	No Information available	
Relative density	No Information available	
Water solubility	No Information available	
Partition coefficient	No Information available	
Autoignition temperature	725 °F (383 °C) estimated	
Decomposition temperature	No Information available	
VOC Content	45.0%	

10. STABILITY AND REACTIVITY

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

Chemical stability
Risk of ignition.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Heat, flames and sparks. Avoid contact with incompatible materials. Avoid temperatures exceeding the flash point. See Section 7.

Hazardous Decomposition Products
No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Narcotic effects.
Eye contact	Cause serious eye irritation.
Skin Contact	Harmful and cause irritation if in contact with skin.

Ingestion Harmful if swallowed. Droplets of the produce aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Information on toxicological effects

Acute Toxicity May be fatal if swallowed and enters airways. Harmful if inhaled and with contact with skin. Narcotic effects.

Symptoms related to the physical, Chemical and toxicological characteristics May cause drowsiness and dizziness. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Skin irritation can cause redness and pain.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	5800mg/kg (Rat) 2.2 ml/kg	>7426 mg/kg 24 hours (Rabbit) >9.4 ml/kg, 24 hours	55700 ppm, 3 hours (Rat) 132 mg/l, 3 hours 50.1 mg/l
Methanol 67-56-1	1187-2769 mg/kg (Rat)	-	>115.9 mg/l, 4 hours (Rat) 82.1 mg/l, 6 hours
Toluene 108-88-3	5000 mg/kg (Rat)	>5000 mg/kg, 24 hours (Rabbit)	5879-6281 ppm, 6 hours (Rat) 12.5-28.8 mg/l, 4 hours

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 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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 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

Reproductive toxicity Possible reproductive hazard. May damage fertility or unborn child.

STOT – single exposure Causes damage to organ. May cause drowsiness and dizziness.

STOT – repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Chronic effects Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Symptoms may be delayed.

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
Methanol	-0.77
Toluene	2.73

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

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

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)	U001
Methanol (67-56-1)	U154
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 Empty containers should be taken to an approved waste handling site for recycling or disposal. 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
Packing group	
Environmental hazards	Yes
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	Yes.
Marine Pollutant	
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

TSCA	Complies
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 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.
Methanol (67-56-1) 10-20 % of weight
Toluene (108-88-3) 20-40 % of weight

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
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
Methanol (67-56-1)
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.
Methanol (67-56-1) 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	X
Carbon Dioxide 124-38-9	X	X	X
Methanol 67-56-1	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**.**
US- California Proposition 65-CRT: Developmental toxin – Methanol (67-65-1), Toluene (108-88-3)
US- California Proposition 65-CRT: Female reproductive toxin – Toluene (108-88-3)

16. OTHER INFORMATION

NFPA	**Health hazards**	ND	**Flammability**	ND	**Instability** ND	**Physical and Chemical Properties**	
HMIS	**Health hazards**	2	**Flammability**	3	**Physical hazards** 0	**Personal protection**	B

Issue Date 11-Apr-2015
Revision Date 21-May-2015
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