Safety Data Sheet

Issue Date 23-Oct-2015 **Revision Date** 06-Dec-2017 **Version 3**

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 127 SEASONAL EQUIPMENT WAX

Other means of identification

SDS# UNITED 127

Recommended use of the chemical And restrictions on use Aerosol Snow Plow Wax and Lawnmower Deck Treatment

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

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 aerosol	Category 1
Skin corrosion/irritation	Category 2
Carcinogenicity	Category 1B
Germ cell mutagenicity	Category 1B
Reproductive toxicity (fertility)	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure.

Appearance Clear yellow **Physical state** Aerosol **Odor** Lemon Scent

Prevention
Do not handle until all safety precautions have been read and understood. Obtain instructions before use. Keep away from heat/sparks/open flames and hot surfaces. No smoking. Do not spray on open flame or other ignition source. Pressurized container. Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response
If on skin: Wash with plenty of water. If exposed and concerned call a poison center or physician. If swallowed: Immediately call a poison center or physician. Specific treatment (see this label). Do not induce vomiting. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage
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)
None Known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Butane	106-97-8	20-40	*
Naphtha (petroleum), hydrotreated light	64742-49-0	20-40	*
n-Hexane	110-54-3	10-20	*
Propane	74-98-6	10-20	*
Solvent Naphtha (petroleum), Light Aliphatic	64742-89-8	10-20	*
Cyclohexane	110-82-7	0.1-1	*
n-Heptane	142-82-5	0.1-1	*
Octamethylcyclotetrasiloxane	556-67-2	0.1-1	*
Octane	111-65-9	0.1-1	*
Other components below reportable levels	-	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 Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops or persists.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. 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 under observation. Symptoms may be delayed.

General information IF exposed or concerned: Get medical advice or attention. IF you feel unwell, seek medical advice (show this label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the physician in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Powder. Foam. Carbon Dioxide. (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the 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
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA

Fire-fighting equipment/instructions
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 container from fire area if it can be done without risk. 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 of spill/leak. Keep out of low areas. Wear appropriate protective equipment. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised in significant spillages cannot be contained. For personal protection, see Section 8 on this SDS.

Environmental precautions

Environmental precautions Avoid release to the environment. Inform appropriate personnel of the 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 and for cleaning up

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. Stop leak if you can do so without risk. Move the container to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see Section 13 of this SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Use only in well-ventilated areas. 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 cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks or other sources of ignition. All equipment used when handling the product must be grounded. Do not use if spray button is missing or defective. Do not reuse containers. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breast feeding women must not handle this product. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Level 3 Aerosol.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Pressurized container. Do not puncture, incinerate or crush. Do not handle or store near flame, heat and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. This material can accumulate static charge which may cause spark and become an ignition source. Store in cool place is recommended. Store away from compatible material.

Incompatible materials

Store away from incompatible materials (see Section 10 of the SDS). Store in a well-ventilated place. Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Cyclohexane (110-82-7)	TWA: 100 ppm	PEL: 1050 mg/m3 PEL: 300 ppm	TWA: 1050 mg/m3 TWA: 300 ppm
n-Heptane (142-82-5)	STEL: 500 ppm TWA: 400 ppm	PEL 2000 mg/m3 PEL: 500 ppm	Ceiling: 1800 mg/m3 Ceiling: 440 ppm TWA: 350 mg/m3 TWA: 85 ppm
N-Hexane (110-54-3)	TWA: 50 ppm	PEL: 1800 mg/m3 PEL: 500 ppm	TWA: 180 mg/m3 TWA: 50 ppm
Octane (111-65-9)	PEL: 2350 mg/m3 PEL: 500 ppm	TWA: 300 ppm	Ceiling: 1800 mg/m3 Ceiling: 385 ppm TWA: 350 mg/m3 TWA: 75 ppm
Propane (74-98-6)	TWA: 300 ppm	PEL: 1800 mg/m3 PEL: 1000 ppm	TWA: 1800 mg/m3 TWA: 1000 ppm
Butane (106-97-8)	STEL: 1000 ppm	-	TWA: 1900 mg/m3 TWA: 800 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limited values

Chemical Name	Value	Determinant	Specimen*
N-Hexane (110-54-3)	04 mg/l	2,5-Hexanedion, without hydrolysis	Urine

*For sampling details, please see source document

Appropriate engineering controls

Engineering Controls Good general 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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Chemical	US-California OEL's: Skin designation	US ACGIH Threshold Limit Values: Skin designation
n-Hexane (110-54-3)	Can be absorbed through the skin	Can be absorbed through the skin

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 chemical resistant gloves and clothing. Use of an impervious apron is recommended.

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

Thermal hazards Wear appropriate thermal protective clothing, if necessary.

General Hygiene When using do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Regular cleaning of equipment, work area and clothing is recommended, to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Gas.
Form	Aerosol.
Color	Clear yellow
Odor	Lemon scent.

Property	Values	Remarks • Method
pH	No Information available.	
Specific Gravity	0.758 estimated.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	-156.0°F (-104.4°C) Propellant est.	

Boiling point/boiling range	74.55°F (23.64°C)
Evaporation rate	No information available.
Flammability Limit – lower	0.9% estimated.
Flammability Limit – upper	7% estimated.
Vapor pressure	55 psig@70°F
Vapor density	>1 (Air=1)
Relative density	No information available.
Water Solubility	No information available.
Partition coefficient (n-octanol/water)	No information available.
Auto-ignition temperature	493.55°F (256.42°C) estimated.
Decomposition temperature	No information available.
Viscosity	No information available.
VOC (weight %)	96.38%

10. STABILITY AND REACTIVITY

Reactivity
This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable at normal conditions.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid contact with incompatible materials. Avoid temperatures exceeding the flash point.

Incompatible materials
Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

Hazardous Decomposition Products
No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. Narcotic effects.
Eye contact	No information available.
Skin Contact	Causes skin irritation.
Ingestion	Droplets of this product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	May cause dizziness. Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	May be fatal if swallowed and enters airways.

Chemical Name	Dermal LD50	Oral LD50	Inhalation LC50/NOEL
Butane (106-97-8)	-	-	1355 mg/l (Rat)
Cyclohexane (110-82-7)	>2000 mg/kg (Rabbit)	-	32880 mg/m3, 4 hours 5540 ppm, 4 hours (Rat)
Naphtha (petroleum), hydrotreated light (64742-49-0)	>1900 mg/kg, 4 hours (Rabbit)	4820 mg/kg (Rat)	>5020 mg/m3, 4 hours >4980 mg/m3 (Rat)
n-Heptane (142-82-5)	>2000 mg/kg, 24 hours (Rabbit)	-	>29.29 mg/l, 4 hours (Rat)
n-Hexane (110-54-3)	>2000 mg/kg, 4 hours (Rabbit)	24 mg/kg (Rat)	>5000 ppm, 24 hours >31.86 mg/l (Rat)
Octane (111-65-9)	>2000 mg/kg, 24 hours (Rabbit)	-	>24.88 mg/l, 4 hours (Rat)
Solvent Naphtha (petroleum), Light Aliphatic (64742-89-8)	>1900 mg/kg, 24 ours (Rabbit)	4820 mg/kg (Rat)	>5020 mg/m3, 4 hours >4980 mg/m3 (Rat)
Propane (74-98-6)	-	-	1355 mg/l (Rat)

*Estimates for product may be based on additional component data not shown.

Skin/Eye irritation Causes skin irritation.
Serious eye damage/irritation No information available.
Sensitization This product is not expected to cause skin sensitization.
Germ cell mutagenicity Suspected of causing birth defects.
Carcinogenicity Suspected of causing cancer.
Reproductive toxicity Suspected of damaging fertility.
STOT - single exposure No information available.
STOT - repeated exposure Respiratory system. Skin. Central nervous system. Eyes. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard May be fatal if swallowed and enters airways.
Chronic effects May cause damage to organs through prolonged or repeated exposure.

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)
Butane	2.89
Cyclohexane	3.44
n-Heptane	4.66
n-Hexane	3.9
Octane	5.18
Propane	2.36

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 and 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	Cyclohexane (110-82-7) U056
Waste from residues/unused products	Disposal should be in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty 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
Proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.2
Subsidiary class(es)	-
Labels required	2.2
Special provisions	N82
Packaging exceptions	306
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.2
Subsidiary class(es)	-
Labels required	2.2
Environmental hazards	Yes.
ERG Code	10L
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Transport hazard Class(es)	2.2
Subsidiary class(es)	-
Labels(s)	2.2
Environmental Class	
Marine Pollutant	Yes.
EmS	F-D,S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

International Inventories

Canada, United States and Puerto Rico – Yes*
Australia, Canada, China, Europe, Japan, Korea, New Zealand and Philippines – No*

*Yes indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
*No indicates that one or more components of product are not listed or exempt from listing on the inventory administered by the governing country(s).

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Not Regulated
DSL/NDSL - Canadian Domestic Substances List – Yes Non-Domestic Substances List - No

US Federal Regulations

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

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

SARA 302 Extremely hazardous substance Not Listed.

SARA 313 (TRI reporting)

Chemical Name	CAS number	% of weight
n-Hexane	110-54-3	10-20
Cyclohexane	110-82-7	0.1-0
Benzene	71-43-2	0.01-0.1
Ethyl Benzene	100-41-4	0.01-0.1

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

n-Hexane (110-54-3)

CAA (Clean Air Act) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (106-97-8) – Propane (74-98-6)

CERCLA Hazardous Substance List (40 CFR 302.4)

Cyclohexane (110-82-70) - Listed.
n-Hexane (110-54-3) – Listed.

SDW (Safe Drinking Water Act)

Not regulated.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey - Massachusetts	Pennsylvania – Rhode Island*
Butane (106-97-8)	X	X *
Cyclohexane (110-82-7)	X	X *
n-Heptane (142-82-5)	X	X
n-Hexane (110-54-3)	X	X *
Octane (111-65-9)	X	X
Propane (74-98-6)	X	X *

California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US – California Proposition 65 – CRT: Listed Carcinogenic Substance – Benzene (71-43-2). Ethyl Benzene (100-41-1)
US – California Proposition 65 – CRT: Listed Developmental toxin – Benzene (71-43-2), Toluene (108-88-3)
US – California Proposition 65 – CRT: Listed Female reproductive toxin – Toluene (108-88-3)
US – California Proposition 65 – CRT: Listed Male reproductive toxin – Benzene (71-43-2)

16. OTHER INFORMATION

NFPA	**Health hazards -**	**Flammability** -	**Physical hazards -**	**Personal Protection** -
HMIS	**Health hazards** *3	**Flammability** 4	**Physical hazards** 0	**Personal protection** X

Issue Date 23-Oct-2015
Revision Date 06-Dec-2017
Revision Note Revision

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