



# Safety Data Sheet

Preparation Date 21-May-2015

Revision date 19-Oct-2020

Revision Number: 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Identification of the product

**Product Description** Londax herbicide

### Other means of identification

**Product code** 12U-372  
**Registration number(s)** 70506-372

### Recommended use of the chemical and restrictions on use

**Recommended use** Herbicide.  
**Uses advised against** Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

**Supplier Address**  
UPL NA Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

### Emergency telephone number

**Company Phone Number** (888)835-1313  
**Emergency telephone number** (504) 439-3140  
(727) 374-5705

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 5
Skin sensitization	Not classified

### Label elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard Statements

May be harmful if inhaled  
HARMFUL IF SWALLOWED

**Appearance** Light Tan

**Physical state** solid

**Odor** sweet Woody

#### Precautionary Statements - Prevention

Do not eat, drink or smoke when using this product  
Wash hands thoroughly after handling  
Wear eye/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store in a dry place. Store in a closed container

**Precautionary Statements - Disposal**

Refer to manufacturer/supplier for information on recovery/recycling

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

### 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Bensulfuron methyl	83055-99-6	60
Sucrose	57-50-1	6
hydrous magnesium silicate	14807-96-6	19.2

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a physician or poison control center immediately. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** no data available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** No information available.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** no data available.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** None known.

**Explosion data**

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

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

**Personal Precautions** Avoid contact with skin and eyes. Use personal protective equipment.

**Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for Clean-Up** Take up mechanically and collect in suitable container for disposal. Shovel or sweep up.

**7. Handling and Storage**

**Precautions for safe handling**

**Handling** Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Keep containers tightly closed in a cool, well-ventilated place.

**incompatible materials** No materials to be especially mentioned.

**8. Exposure Controls/Personal Protection**

**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Sucrose	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction
hydrous magnesium silicate	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	(vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more; use Quartz limit

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. PESTICIDE APPLICATORS & WORKERS. THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

**Personal protective equipment**

**Eye/Face Protection**

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.

<b>Skin protection</b>	Long sleeved clothing. Long pants. Chemical resistant gloves. waterproof gloves. Socks and footwear.
<b>Respiratory protection</b>	Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Light Tan	
<b>Physical state</b>	solid	
<b>Odor</b>	sweet Woody	
<b>color</b>	No information available	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	6.25	None known
<b>Melting point/freezing point</b>	7.25 °C	None known
<b>Boiling Point/Range</b>		None known
<b>Flash Point</b>		None known
<b>Flammability (solid, gas)</b>		None known
None known		<b>Specific gravity</b>
<b>Bulk density</b>	42 lb/cu ft	None known
<b>Solubility in Other Solvents</b>	Dispersible in water	None known
<b>Partition coefficient: n-octanol/water</b>		None known
<b>Autoignition temperature</b>	400 °C	None known
<b>Decomposition temperature</b>		None known
<b>Viscosity</b>		None known

### 9.2 OTHER INFORMATION

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Avoid dust formation.

**incompatible materials**

No materials to be especially mentioned.

**Hazardous decomposition products**

None under normal use conditions.

## 11. Toxicological Information

### Information on Likely Routes of Exposure

<b>Product information</b>	Londax: Oral LD50(rat) = >5,000 mg/kg Dermal LD50 (rabbit) = >2,000 mg/kg Inhalation LC50 4 hr (rat) = >7.5 mg/L for A.I. Moderate eye irritant Not a skin irritant or skin sensitizer in animals.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Causes substantial but temporary eye injury.
<b>Skin contact</b>	May be harmful if absorbed through the skin.
<b>Ingestion</b>	HARMFUL IF SWALLOWED.

### Information on Toxicological Effects

**Symptoms** No information available.

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

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	no data available.
<b>Carcinogenicity</b>	Bensulfuron methyl - Repeated and long term ingestion exposure with Bensulfuron methyl caused decreased body weight, increased liver weight, pathological changes in the liver and kidneys, anemia, and altered hematology and clinical chemistry. Single inhalation exposure caused decreased body weight with nasal and ocular discharge. In animal testing Bensulfuron methyl has not caused carcinogenicity or reproductive toxicity. Animal data show developmental effects only at exposure levels producing other toxic effects in the adult animal. No-observed-adverse-effect-level (NOAEL) for the development study was 300 mg/kg in rabbits. The NOAEL for maternal and fetal toxicity was 1320 mg/kg. Tests have shown that Bensulofuron methyl did not cause genetic damage in bacterial or mammalian cell cultures, or in animals.

Chemical name	ACGIH	IARC	NTP	OSHA
hydrous magnesium silicate 14807-96-6	-	Group 3		-

<b>Reproductive effects</b>	Not Available.
<b>STOT - Single Exposure</b>	no data available.
<b>STOT - Repeated Exposure</b>	no data available.
<b>Aspiration hazard</b>	No information available.

### Numerical Measures of Toxicity - Product information

<b>LD50 Oral</b>	> 5000 mg/kg (rat)
<b>LD50 Dermal</b>	> 2000 mg/kg (rat)
<b>LC50 Inhalation</b>	LC50/inhalation/4h/rat = > 7.5 mg/l ( for A.I.)

## 12. Ecological Information

### ecotoxicity

Londax:  
Aquatic toxicity ;  
96 hr LC50  
Bluegill sunfish - 120 mg/L

rainbow trout = 66 mg/L  
 LD50  
 Mallard duck = 2150 mg/kg  
 Bobwhite quail = 5620 ppm

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

No information available.

**Other Adverse Effects**

no data available

### 13. Disposal Considerations

**Waste Treatment Methods****Waste Disposal Method**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging**

Refer to product label.

### 14. Transport Information

**DOT**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG**

NOT REGULATED

### 15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word**

WARNING

**Ventilation Control**

PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

**Keep out of Reach of Children. Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin.**

**International Inventories**

<b>USINV</b>	Present
<b>DSL/NDSL</b>	Not present
<b>EINECS/ ELINCS</b>	Not Present
<b>ENCS</b>	Not Present
<b>China</b>	Present
<b>KECL</b>	Present
<b>PICCS</b>	Not Present
<b>AICS</b>	Not Present
<b>TSCA</b>	Not Present

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CERCLA**

Not applicable

**CERCLA**

**SARA Product RQ** 0

**RCRA****Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Bensulfuron methyl 83055-99-6 ( 60 )			X	
hydrous magnesium silicate 14807-96-6 ( 19.2 )			X	

**State Regulations****State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sucrose - 57-50-1	X		X		
hydrous magnesium silicate - 14807-96-6	X	X	X		

**International regulations****U.S. EPA Label information**

EPA Pesticide registration number 70506-372

**16. Other Information**

**NFPA**

**HEALTH** 1

**flammability** 1

**Instability** 0

**Physical hazard** -

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**Revision Summary**

Update logo Update registration number

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**End of SDS**