SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product:
Product Name: Light Shaping Diffuser (LSD®)
Applicable to Product Codes: LPxx-X00, Lxx-X01, L60P3-8, L101N1-xxx, T0/20P1-24, RTDP1-xx, 55-444.
(xx represent any numbers or characters.)
Product Description: A two-layer composite solid film or sheet, consisting of a Urethane Acrylate coating on Polycarbonate substrate.

Recommended Use: Multiple customer specific applications requiring diffusion of light.

Chemical(s) Name:
Substrate: Polycarbonate CAS # 111211-39-3
Coating: Cured Urethane Acrylate Resin

Company:
Luminit, LLC
1850 W. 205th Street
Torrance, CA 90501
USA
+1 (310) 320-1066

Emergency telephone number
Contract # MIS7742861
Within USA, Canada, Puerto Rico, and U.S. Virgin Islands: Phone # 1-800-255-3924.
Outside USA, Canada, Puerto Rico, and U.S. Virgin Islands: Call Collect Phone # 1-813-248-0585
Within the following listed countries, Toll Free phone numbers:

Australia:	1-300-954-583
Brazil:	0-800-591-6042
China:	400-120-0751
India:	000-800-100-4086
Mexico:	800-099-0731

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification
Not hazardous in the form sold.
This product is considered an article in accordance with 29 C.F.R. § 1910.1200.
The information provided is as guidance for general use and handling.

GHS Label Elements

Pictograms: None

Signal word: Warning

Hazard Statements: The following potentially hazardous ingredient(s) are used to formulate this product. As supplied, the ingredient(s) are bound in the polymer matrix. Because they are bound in the matrix, they are not expected to create any unusual hazards when handled and processed according to good manufacturing and industrial hygiene practices and the guidelines provided in this SDS.

Hazard not otherwise classified

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	C.A.S. No.	% by weight	GHS Classification
Poly (bisphenol-A-carbonate) (Commonly known as Polycarbonate) May contain BPA	111211-39-3 80-05-7	75% - 98% Trace	Warning H317, H318, H335, H361
Proprietary Urethane Acrylate Product	Proprietary	2% – 25%	H317, H318, H332, H335

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

SECTION 4: FIRST AID MEASURES

Most Important acute and delayed symptoms

Thermal burns can occur if body comes in contact with heated material. If overheated or burned, can give off hazardous fumes, which may be toxic and may cause irritation with symptoms of burning or tearing of eyes, skin and respiratory tract.

Description of first aid measures:

Inhalation

Move person to fresh air. If feeling unwell, get medical attention.

Skin Contact

If the product is not hot, wash with soap and water. If hot, cool product on skin with cold water and seek medical attention for any burns that may have occurred.

Eye Contact

Flush eyes with water for 15 minutes. Get medical attention if irritation develops and persists.

If Swallowed
Rinse mouth with water. Seek medical attention if necessary .

Indication of any immediate medical attention and special treatment required
Not Applicable

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media
Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

Special Hazards arising from substance or mixtures
If combusted, material can release toxic fumes, including Carbon Monoxide (CO), Carbon Dioxide, Nitrogen oxides (NO_x), Sulfur oxides (SO_x), and Hydrogen Cyanide. Avoid generation and inhalation of dust and particulates.

Advice for firefighters
Wear self-contained breathing apparatus to avoid inhalation of toxic fumes and dust.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures
Provide adequate ventilation. Avoid breathing in dust, vapors, mist, or gas.
For personal protection, see section 8.

Environmental precautions
Do not let product enter drains.

Methods and materials from containment and cleaning up
Keep dust generation to a minimum. Sweep or scoop up into closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Handling/Storage Precautions Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Containers should be kept tightly closed to prevent contamination.

Storage Period: Not Established

Substances to Avoid None known.

Conditions for safe storage, including any incompatibilities

Keep closed in cool, dry place. Avoid higher temperatures to reduce risk of emission of vapors.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The recommendations in this section should not be a substitute for a personal protective equipment (PPE) assessment performed by the employer as required by 29 CFR 1910 Subpart I.

Exposure Limits

Country specific exposure limits have not been established or are not applicable

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures
During normal processing, use general dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines. Special ventilation and personal protective equipment (PPE) is required to control exposure to potentially harmful decomposition products whenever heated to temperatures above its decomposition temperature. Examples would include hot knife cutting, grinding, or sawing.

Respiratory Protection
NIOSH approved air-supplied respirator during cleaning, high temperature processing or when thermal decomposition is suspected.

Hand Protection
Ensure gloves remain in good condition during use and replace if any deterioration is observed.

Eye Protection
Safety glasses with side-shields

Skin Protection
No special skin protection requirements during normal handling and use.

Additional Protective Measures
Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

Control of Environmental exposure
Do not let product enter drains

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid
Odor	Odorless

Odor Threshold	No data available
pH	Not Applicable
Melting point/freezing point	>105 °C
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not data available
Upper/lower flammability limits	No data available
Explosive properties	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2 g/cm3
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not Applicable
VOC Less H2O & Exempt Solvents	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Hazardous Reactions
No data available.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous reactions
No data available.

Conditions to avoid
Do not expose to excessive heat and flames. Avoid dust formation.

Incompatible Materials
No data available.

Hazardous decomposition products
Decomposition under high temperature may cause emission of vapors, carbon monoxide, or carbon dioxide. Hazardous combustion products may include but not limited to carbon monoxide, carbon dioxide Sulphur, Nitrogen, Hydrogen Cyanide, trace amounts of phenols. Fine dust can explode.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: No Data Available

Inhalation: Safe under normal conditions. Inhalation of vapors under high temperature may cause nausea, headache, dizziness, and irritation of lungs, nose, and throat.

Skin contact: No skin irritation.

Eye contact: May cause eye irritation under high temperatures.

Ingestion: Not harmful under normal conditions.

Carcinogenicity: No carcinogenic substances as defined by IARC, NTP and/or OSHA

Reproductive toxicity
No data available.

Specific target organ toxicity – single exposure
No data available.

Specific target organ toxicity – repeated exposure
No data available.

Aspiration hazard
No data available.

Additional Information
RTECS: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicological
No data available for these products.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of waste should be in accordance with existing federal, state and local environmental control laws.

SECTION 14: TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazard Components
No components in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

State Regulations:

Massachusetts Right to Know Components
None.
Pennsylvania Right to Know Components
None.
New Jersey Right to Know Components
Bisphenol A
California Prop 65. Components
Bisphenol A: Female Reproductive Toxicity

Chemical Inventory
The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this product are in compliance with the chemical notification requirements of TSCA.

SECTION 16: OTHER INFORMATION

SDS # Luminit SDS-001
Version: v1.7
Version Date: 09-DEC-2019

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