



LUXONCO

# SAFETY DATA SHEET

## Section 1: Chemical Product and Company Information

Product Name : GRAPHENE+

Product Code : GRAPHENE+

Intended Use : Automotive Ceramic Coating

  

Company Information : LUXONCO GLOBAL LLC

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## Section 2: Hazards Identification

This preparation is hazardous per the following GHS criteria,

### GHS-Classification

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2A

Skin sensitization: Category 1

### GHS-Labeling

Hazard Symbols:



Signal Word:

Warning

Hazard Statements:

Keep out of reach of children.

Cause irritation of the respiratory tract.

Cause irritation to the eyes

Cause skin irritation



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**Precautionary Statements:**

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection.

Avoid breathing dust/vapors/ spray.

If eye irritation persists: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see supplemental first aid instructions on this label).

Take off contaminated clothing and wash before reuse.

Dispose of contents/container in accordance with local regulations.

## Section 3: Composition / Information on Ingredients

Chemical Name	In % By Weight	CAS Number
Phenylmethyl siloxane, hydroxy-terminated	60	80801-30-5
Silicone resin	25	67763-03-5
Methyl MQ silicone resin	15	67763-03-5

## Section 4: First Aid Measures

### Inhalation:

If accidentally inhale, remove the source of contamination, or move person to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen and get medical attention.

### Eye Contact:

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

### Skin Contact:

If irritation is experienced, flush with water. Get medical attention if irritation persists after flushing with water.



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## Ingestion:

Do not induce vomiting. Get medical attention or advice if the material is swallowed.

## Notes to Physician:

After first aid treatment, the caller should be advised that,

1. A hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgement of the caller.
2. The subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

## Section 5: Fire Fighting Measures

### Flammability of the Product:

Non-combustible material.

### Flash Points:

Not applicable.

### Extinguishing Media:

Use carbon dioxide, dry chemical, foam, or water fog.

### Special Fire-Fighting Procedures:

Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

## Section 6: Accidental Release Measures

### Personal Precautions:

For large spills, wear gloves and safety glasses. When levels exceed OSHA PEL, use appropriate NIOSH approved respiratory protection. Keep unnecessary personal away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

### Environmental Precautions:

Prevent discharge to open waters.

### Method of Containment:

Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite, or diatomaceous earth.



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## Methods for Clean-Up:

Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

## Section 7: Handling and Storage

### Precautions:

Keep away from heat, sparks, and flame. Prevent contact with eyes. Avoid inhalation.

### Handling:

No unusual handling requirements required.

### Storage:

Keep product in its original container. Keep container closed when not in use away from strong oxidizers. Avoid extreme heat and freezing. Storage in large quantities (as warehouses) should be in a well ventilated and cool area.

## Section 8: Exposure Controls/Personal Protection

### Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

### Personal Protective Measures:

**Respiratory protection:** None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, an approved particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with local regulations and good Industrial Hygiene practice.

**Skin protection:** Impervious gloves recommended if needed to avoid prolonged skin contact.

**Eye protection:** Safety glasses or goggles recommended if needed to avoid eye contact.

**Other:** None known.

## Section 9: Physical & Chemical Properties

Appearance (physical state, color, etc.): Clear/Transparent liquid.

Odor: Prescribed fragrance type.



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## Change in condition:

Melting point/freezing point: < - 40°C	pH: Not applicable
Flash point: 121°C	Boiling Point: > 205°C
Flammability (solid, gas): Not applicable	Evaporation rate (butyl acetate =1): Not applicable
Flammable limits: LEL: Not applicable	Vapor density: Not determined.
Vapor pressure: 0.0985 mmHg	Solubility(ies): Insoluble in water.
Relative density: 1.01	Auto-ignition temperature: Not applicable.
Partition coefficient: n-octanol/water: Not determined	Viscosity: 5-12 cSt
Decomposition temperature: Not determined	Oxidizing Properties: Not applicable.
Explosive Properties: Not applicable	

## Section 10: Stability & Reactivity

Stability: Stable under normal temperatures and pressure.

Polymerization: Will not occur.

Conditions to avoid: Avoid excessive heat or source of ignition.

Hazardous decomposition products: Not available.

Incompatibility: Strong oxidizing agents.

Special remarks on reactivity: Reacts with water and moisture in air liberating methanol.

Special remarks on corrosivity: Not available.

## Section 11: Toxicological Information

Not applicable under normal conditions of use. Toxicological information of contained chemicals, please refer section 3.

## Section 12: Ecological Information

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

Environmental precautions: Not available.



BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation productions are not likely.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

**Section 13: Disposal Considerations**

Disposal Operations: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additional, waste generator must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Disposal of Packaging: Disposal must be made according to official regulations.

**Section 14: Transportation Information**

Regulations:	IATA DGR	IMDG Code	ADR/RID
UN No.:	Not regulated	Not regulated	Not regulated
Proper Shipping Name:	Not regulated	Not regulated	Not regulated
Hazard Class:	Not regulated	Not regulated	Not regulated
Packing Group:	Not regulated	Not regulated	Not regulated
Packing Method:	Not regulated	Not regulated	Not regulated
Environmental Hazard:	All ingredients are not known marine pollutant according to IMDG Code (International Maritime Dangerous Goods Code). All ingredients are not environmentally hazardous substance according to AND (European Provision Concerning the International Carriage of Dangerous Goods on inland waterway)		
Note:	This product is not regulated as hazardous material for transport. Not a DOT controlled material (United States)		

**Section 15: Regulatory Information**

This product is not classified according to the EU regulations. European Labeling in accordance with EC Directives: Hazard Symbols: N/A

Risk phrases: N/A Safety phrases: N/A

Health Hazard: N/A Fire Hazard: N/A Reactivity: N/A Personal Protection: N/A

National Fire Protection Association (U.S.A.): Health: N/A Flammability: N/A Reactivity: N/A Specific hazard: N/A

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:



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EPA Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

SARA 302 Listed Chemicals: None.

SARA 311/312 Hazard Categories: Not Hazardous

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements

Under the SARA Section 313 (40 CFR 372): None

California Proposition 65: This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

## International Regulations:

Canadian Environmental Protection Act: One or more of the components of this product are not listed on the Canadian Domestic Substances List.

European Union: All of the components are listed REACH Registered or Pre-Registered Substances and Intermediates.

Australia: All of the ingredients of this product are not listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: One or more of the components of this product are not listed on the Korean Existing Chemical List (KECL).

Japan: One or more of the components of this product are not listed on the Japanese Existing and New Chemical Substances List (ENCS).

New Zealand: All of the components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

Taiwan: All the components are listed on the existing chemicals inventory.

## Section 16: Other Information

### 16.1 Indication of changes

Version 1.0 Amended by (EU) 2015/830



## 16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods.

by Road RID: Regulation for rail international transportation of Dangerous goods.

ADN: European Agreement concerning the International Carriage of Dangerous Goods.

by Inland Waterways IMDG: Code international maritime dangerous goods code.

ICAO: International Civil Aviation Organization.

IATA: International Air Transport.

Association LC50: median lethal concentration.

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration.

DNEL: derived no-effect level.

PNEC: predicted no-effect concentration.

## 16.3 Key literature references and sources for data:

ECHA Registered substances data.

## 16.4 Training instructions:

Not applicable.

## 16.5 Further information:

Not applicable.

## 16.6 Notice to reader:

The information contained herein is true and correct to the best of LUXONCO LLC's knowledge. Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.