

# MSDS: PLA+

## 1. Product Identification

Product Name:	ePLA-Matte
More Information:	ONCOTECH NORDIC AB Vastra Ljungbyvagen 275 26651 Vejbystrand, Sweden. <a href="http://www.ophtascan.ai">www.ophtascan.ai</a>

## 2. Hazard Identification

Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Label elements	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3. Composition

Substance	CAS No.	Content %
Polylactic acid resin	26100-51-6	92-96
Calcium Carbonate Powder	471-34-1	2-4
Other additives	–	2-5

## 4. First Aid Measures

Eye Contact	Flush eyes with water as a precaution.
Skin Contact	Wash off with soap and plenty of water.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation	If breathed in, move the person into fresh air. If not breathing, give artificial respiration.

## 5. Firefighting measures

Extinguishing media	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Special hazards arising from the substance or mixture	Can be released in case of fire: carbon monoxide and carbon dioxide.
Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions	No special environmental precautions required.
Methods and material for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. Handling and Storage

Handling	Provide appropriate exhaust ventilation at places where dust is formed.
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Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
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### 8. Exposure controls/personal protection

Eye/face protection	None under normal use. In molten state: Wear eye protection
Skin protection	None under normal use. In molten state: Wear suitable protective clothing
Body Protection	None under normal use. In molten state: Wear suitable protective clothing
Respiratory protection	None under normal use. In molten state: In case of insufficient ventilation, wear suitable respiratory equipment
Control of environmental exposure	No special environmental precautions required.

### 9. Physical and Chemical Properties

Physical State	Solid
Colour	Black
Odour threshold	Not available
Melting point	155 – 185 °C
Freezing point	Not applicable
Boiling point	Not available
Flammability	Non flammable
Explosive limits	Not applicable
Flash point	Not applicable
Auto-ignition temperature	388 °C
Decomposition temperature	> 250 °C
pH	Not available
Viscosity, kinematic	Not applicable
Solubility	Water: Insoluble
Organic solvent	Chloroform
Vapor pressure	Not available
Density	1.24 g/cm <sup>3</sup>
Relative density	Not available
Relative vapor density at 20°C	Not applicable
Particle size	Not available
Particle size distribution	Not applicable

### 10. Stability and Reactivity

Thermal decomposition to be avoided:	No decomposition if used and stored according to specifications.
Materials to be avoided:	Oxidizing agent.
Dangerous reactions:	No dangerous reactions known. Dangerous products of decomposition: Carbon monoxide and carbon dioxide.

### 11. Toxicological Information

Acute toxicity	LD/LC50 values that are relevant for classification:
Oral	Oral LD50 4290mg/kg(rat)
Dermal	Dermal LD50 5990uL/kg(rabbit)
Inhalation	No data available
Skin Corrosion/ Irritation	No data available
SeriousEyeDamage/Irritation	No data available
Respiratory sensitization	No data available
Skin Sensitization	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeat exposure)	No data available
Aspiration Hazard	No data available

### 12. Environmental Information

Acute toxicity	No data available
Chronic toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	No data available
Other adverse effects	No data available

### 13. Disposal Considerations

Regional waste regulation	Dispose of in accordance with relevant local regulations.
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

### 14. Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID	ADR	IMDG	IATA	ADN	RID
UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

## 15. Regulatory information

EU-Regulations	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions) Contains no substance(s) listed on the REACH Candidate List Contains no substance(s) listed on REACH Annex XIV (Authorisation List) Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
National regulations	No additional information available
Chemical safety assessment	Not required No chemical safety assessment has been carried out

## 16. Disclaimer

To the best of our knowledge the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. We strongly recommend that users seek and adhere to the manufacturer's or supplier's current instructions for handling each material they use and satisfy themselves that they can meet all applicable safety and health standards. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.