

MATERIAL SAFETY DATA SHEET

PLA-LW

1. Product and company identification

Trade name

Recreus PLA- LW

Company details

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2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: material may cause skin irritation and may be hazardous by inhalation and for the environment.

Label elements

Hazard statements :	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements :	P273 - Avoid release to the environment. P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

REACH: according to articles 57-59 the mixture does not contain substances of very high concern (SVHC) at the date of printing of the MSD.

3. Composition/information on ingredients

Substances

Not applicable.

Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
talc substance with national workplace exposure limit(s) (GB)	(CAS-No.) 14807-96-6 (EC-No.) 238-877-9	1 - 5	Not classified
amorphous silica	(CAS-No.) 17631-86-9	0.5-6	Not applicable
2,2,4-trimethylpentane	(CAS-No.) 540-84-1	0.3-4.5	Flammable liquids CAT2 Aspiration hazard CAT1 Skin irritation or corrosion CAT2 Specific target organ toxicity-single exposure CAT3 Narcosis Acute hazard to the aquatic environment CAT1 Chronic hazard to the aquatic environment CAT1 H225, H304, H315, H336, H410

4. First-aid measures

- **First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- **First-aid measures after inhalation:** Assure fresh air breathing. Allow the victim to rest.
- **First-aid measures after skin contact:** Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.
- **First-aid measures after eye contact:** Rinse opened eyes for several minutes under running water. Then consult a doctor.
- **First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed see Heading 11 toxicological information

5. Firefighting measures

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: No unsuitable extinguishing media known.

Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon monoxide. Acetaldehyde.

Avoid contamination with oxidising agents, chlorine bleaching agents,... as ignition may occur.

Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter a fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus and chemically protective clothing.

Other information: After the fire, proceed rapidly with cleaning of surfaces exposed to the fumes in order to limit equipment damage.

6. Measures in case of accidental release

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate unnecessary personnel.

For emergency responders: Equip cleanup crew with proper protection. Emergency procedures: Sweep up, shovel or vacuum. Can be slippery on hard, smooth walking areas. See Heading 8 Exposure Controls/Personal Protection

Environmental precautions

See Heading 12 Ecological information.

Methods and material for containment and cleaning up

In case of spillage, collect mechanically without dusting. Do not disperse material into drains or soil. Avoid breathing vapors and contact with skin and eyes. Control personal contact by wearing protective equipment.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. Handling and storage

Precautions for safe handling: Take precautionary measures against static discharge. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Keep in the same packaging as supplied by the supplier

Hygiene measures: Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities: Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight Avoid reaction with oxidising agents

8. Exposure controls/personal protection

Control parameters

Product Name	Workplace exposure limit
Talc	WEL TWA (mg/m ³) 1 mg/m ³ Talc, respirable dust; United Kingdom; Timeweighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
silica amorphous	OEL respirable fraction VLA no available
2,2,4 trimetil pentano	300 ppm TLV (American Conference of Governmental Industrial

Product Name	Workplace exposure limit
	Hygienists-ACGIH)
Methacrylonitrile	1 ppmTLV (American Conference of Governmental Industrial Hygienists-ACGIH) via dermal route
Methacrylic Acid	20 ppmTLV (American Conference of Governmental Industrial Hygienists-ACGIH)

Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

Hand protection: Wear protective gloves. PVC ($\geq 0,5$ mm) or other plastic material or natural rubber gloves EN 374-3.

Eye protection: Where excessive dust may result, wear goggles.

Skin and body protection: Wear suitable protective clothing EN 388 (2132)

Respiratory protection: Dust production: dust mask with filter type P2. In the event of thermal decomposition: gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. Physical and chemical properties

Appearance:	solid
PH:	Not applicable
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	Not applicable
Flammability (solid, gas):	Dust may form flammable and explosive mixture with air
Solubility: Water:	Insoluble

Explosive properties:

Dust may form flammable and explosive mixture with air.

Explosive limits:

No data available

10. Stability and reactivity

Reactivity No additional information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions Not established.

Conditions to avoid Direct sunlight and temperature above 60°C Moisture.

Incompatible materials None known.

Hazardous decomposition products Carbon monoxide and dioxide. Acetaldehyde.

11. Toxicological information

- LD50 oral rat > 5000 mg/kg
- LD50 skin rabbit > 2000 mg/kg
- LC50 Inhalation - Rat >0.139 mg/l/14h
- Acute toxicity (oral): Not classified.
- Acute toxicity (dermal): Not classified.
- Acute toxicity (inhalation): Not classified.
- Skin corrosion/irritation: Not classified.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: Not classified.
- Reproductive toxicity: Not classified.
- STOT-single exposure: Not classified.
- STOT-repeated exposure: Not classified.
- Potential adverse human health effects and symptoms: This product is a mixture. Health hazard information is based on its components. Based on available data, the classification criteria are not met.

12. Ecological information

Eco Toxicity Toxic to aquatic organisms with harmful with long-lasting effects

CL50	- Fish	0.11 mg/l (96 hours)
CE50	- Crustaceans	0.4mg/l (48 hours)
NOEC	- Crustaceans	0.17 mg/l (504 hours)

Persistence and degradability: Not established.

Bioaccumulative potential: Not established.

Mobility in soil No additional information available.

Results of PBT and vPvB assessment No additional information available.

Other adverse effects Avoid release to the environment.

13. Disposal considerations

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

14. Transport information

In accordance with ADR not applicable

15. Regulatory information

EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

Directive 2012/18/EU (SEVESO III).

European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances

National regulations

Occupational Exposure Limit for Chemical Agents

16. Other Information

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None.

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