

Safety Data Sheet

Luminy® FOAM 50F

according to MOEL Public notice 2020-130
Issue date:28/04/2026 Revision date:

Version: 1.0

SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Trade name : Luminy® FOAM 50F
EC-No. : 618-575-7
CAS-No. : 9051-89-2
KECI-No. : 2003-3-2341

1.2. Recommended uses and restrictions

1.2.1. Recommended use : Plastics,Foamed application.
1.2.2. Restrictions on use : Pharmaceuticals, Medical device

1.3. Supplier information

- Manufacturer
Company : TotalEnergies Corbion BV
Address : (4203 NS) The Netherlands Gorinchem Stadhuisplein 70
Tel. : +31 183 695 695
Emergency telephone number : +44 1865 407333 (CareChem24)
Emergency information : Operating hours 24 hours, 7 days a week
E-mail : pla@totalenergies-corbion.com

SECTION 2 : Hazards identification

2.1. Classification of the substance or mixture

No data availableNo data available

2.2. Label elements

2.2.1. Hazard pictograms (GHS KR)

Not applicable

2.2.2. Signal word (GHS KR)

Not applicable

2.2.3. Hazard statements (GHS KR)

Not applicable

2.2.4. Precautionary statements (GHS KR)

Not applicable

2.3. Hazards - Other hazards which do not result in classification - Hazard Risk

Warning.
Potential dust explosion hazard.
Dust may form explosive mixture in air

SECTION 3 : Composition/information on ingredients

Product form : Substance

Substance name	Other Names	Product identifier number	Concentration (%)
Poly lactide resin	-	CAS-No.: 9051-89-2 KECI-No.: 2003-3-2341	98 – 100

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Substance name	Other Names	Product identifier number	Concentration (%)
Distillates (petroleum), hydrotreated light	-	CAS-No.: 64742-47-8	≤ 0.2

No data available

SECTION 4 : First aid measures

4.1. First-aid measures after eye contact

- Rinse eyes with water as a precaution.

4.2. First-aid measures after skin contact

- Wash skin with plenty of water.

4.3. First-aid measures after inhalation

- Remove person to fresh air and keep comfortable for breathing.

4.4. First-aid measures after ingestion

- Call a poison center or a doctor if you feel unwell.

4.5. Other medical advice or treatment

- Treat symptomatically.

SECTION 5 : Firefighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray, Dry powder, Foam.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : Dust may form explosive mixture in air.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Evacuate personnel to a safe area, Use water spray or fog for cooling exposed containers, Move containers from fire area if it can be done without personal risk, Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment, Self-contained breathing apparatus, Complete protective clothing.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear recommended personal protective equipment.
- Evacuate unnecessary personnel.
- Ventilate spillage area.

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- Avoid dust formation.
- Avoid contact with skin and eyes.
- Do not touch or walk on the spilled product.
- Do not breathe dust.
- Do not attempt to take action without suitable protective equipment.
- For further information refer to section 8: "Exposure controls/personal protection".
- Dispose of materials or solid residues at an authorized site.

6.2. Environmental precautions and protective procedures

- Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Stop leak without risks if possible.
- Avoid creating or spreading dust.
- Minimise generation of dust.
- Use non-sparking tools.
- Use wet cleaning techniques or vacuum cleaners with HEPA H13 filters (or better) for removal of dust.
- Do not allow product to reach the sewage system.
- Never return spills in original containers for possible later re-use.
- Train personnel on the risks of leakage and proper cleanup procedures.

SECTION 7 : Handling and storage

7.1. Precautions for safe handling

- Handle under inert gas. Protect from moisture.
- Wear personal protective equipment.
- Avoid contact with skin and eyes.
- Ensure good ventilation of the work station.
- Keep only in original container.
- Do not handle until all safety precautions have been read and understood.
- Do not eat, drink or smoke when using this product.
- Always wash hands after handling the product.
- Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.
- Wash contaminated clothing before reuse.
- Avoid contact with skin, eyes and clothing.
- Do not breathe dust.
- Dust may form flammable and explosive mixture with air.

- Handling temperature : < 50 °C

7.2. Conditions for safe storage

- Keep container tightly closed in a cool, well-ventilated place.
- Protect from moisture.
- Water, humidity.
- Store according to local legislation.
- Always store product in container of same material as original container.

- Storage temperature : < 50 °C

SECTION 8 : Exposure controls/personal protection

8.1. Occupational Exposure Limits

Luminy® FOAM 50F (9051-89-2)
No additional information available
Poly lactide resin (9051-89-2)
No additional information available
Distillates (petroleum), hydrotreated light (64742-47-8)
No additional information available

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8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station, Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment.
Environmental exposure controls	:	Avoid release to the environment.
Other information	:	Handle in accordance with good industrial hygiene and safety procedures, Always wash hands after handling the product, Do not eat, drink or smoke when using this product, Avoid contact with skin, eyes and clothing, Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation, Wash contaminated clothing before reuse, Do not breathe dust.

8.3. Personal protection

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:					
Protective gloves					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Butyl rubber	6 (> 480 minutes)	0.5		EN 374
Eye protection:					
Safety glasses with side shields					
Type	Field of application	Characteristics	Standard		
Safety glasses with side shields	Dust		EN ISO 16321-1		
Skin and body protection:					
Long sleeved protective clothing					
Type	Standard				
Long sleeved protective clothing	EN ISO 13982				
Respiratory protection:					
No respiratory protection needed under normal use conditions. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended					
Device	Filter type	Condition	Standard		
Dust mask	(FFP2)	Dust protection	EN 149		

Personal protective equipment symbol(s):



SECTION 9 : Physical and chemical properties

a. Appearance	:	Pellet.
Physical state	:	Solid.
Colour	:	White, Opaque.
b. Odour	:	Odourless.
c. Odour threshold	:	No data available
d. pH	:	No data available

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e. Melting / freezing point	: 130 – 230 °C
f. Boiling point	: No data available
g. Flash point	: Not applicable
h. Evaporation rate	: No data available
i. Flammability (solid, gas)	: Non flammable.
j. Upper / lower flammability or explosive limits	: Not applicable
k. Vapour pressure	: No data available
l. Solubility	: No data available
m. Vapour density	: No data available
n. Specific gravity density	: No data available
o. Log Pow	: No data available
p. Auto-ignition temperature	: Not applicable
q. Decomposition temperature	: > 230 °C
r. Viscosity, kinematic	: Not applicable
r. Viscosity, dynamic	: No data available
s. Molecular mass	: No data available

SECTION 10 : Stability and reactivity

10.1. Chemical stability and Possibility of hazardous reactions

- The product is non-reactive under normal conditions of use, storage and transport.
- Stable under normal conditions.
- No dangerous reactions known under normal conditions of use.
- Hazardous polymerisation: Will not occur.
- When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.

10.2. Conditions to avoid

- Above a temperature of: 230°C / 446 °F.
- Protect from moisture.
- Avoid raising powdered materials into airborne dust, creating an explosion hazard.

10.3. Incompatible materials

- Water, humidity.

10.4. Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : Toxicological information

11.1. Information on exposure routes

Oral	: Not classified
Skin and eyes contact	: Not classified

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Inhalation : Not classified

11.2. Health hazards information

Acute toxicity (oral):

Not classified

Acute toxicity (dermal):

Not classified

Acute toxicity (inhalation):

Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 oral	15000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -
ATE KR (oral)	15000 mg/kg bodyweight

Skin corrosion/irritation:

Not classified

Serious eye damage/irritation:

Not classified

Respiratory sensitization:

Not classified

Skin sensitization:

Not classified

Carcinogenicity:

Not classified

Mutagenicity:

Not classified

Reproductive toxicity:

Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
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STOT-single exposure:

Not classified

STOT-repeated exposure:

Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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Distillates (petroleum), hydrotreated light (64742-47-8)

NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
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Aspiration hazard:

Not classified

Luminy® FOAM 50F (9051-89-2)

Viscosity, kinematic	Not applicable
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Poly lactide resin (9051-89-2)

Animal studies and expert judgment for classification	False
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Distillates (petroleum), hydrotreated light (64742-47-8)

Animal studies and expert judgment for classification	False
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Distillates (petroleum), hydrotreated light (64742-47-8)

Density	0.77 – 0.85 g/cm ³ Type: 'bulk density' Temp.: 15 °C
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Animal studies and expert judgment for classification	False
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SECTION 12 : Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

LC50 - Fish [1]	2.2 mg/l loading rate, OECD guideline 203
EC50 - Crustacea [1]	1.4 mg/l loading rate, guideline 202
EC50 72h - Algae [1]	3 mg/l loading rate, OECD guideline 201
NOEC chronic fish	0.098 ml/l PETROTOX, QSAR
NOEC chronic crustacea	0.48 ml/l loading rate, OECD guideline 211

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

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SECTION 13 : Disposal considerations

13.1. Disposal method

Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container in accordance with licensed collector's sorting instructions.

13.2. Disposal precaution

Dispose in a safe manner in accordance with local/national regulations.

Do not re-use empty containers without proper cleaning or reconditioning.

No data available

SECTION 14 : Transport information

UN RTDG	ADR	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No data available			

14.6. Special transport precautions

No data available

SECTION 15 : Regulatory information

15.1. Occupational Safety and Health Act

Hazardous Substances Prohibited for Manufacturing Not applicable

Hazardous Substances Requiring Permission Not applicable

Threshold Limit Values Chemicals Not applicable

Hazardous Substances Below Permissible Level Not applicable

Hazardous Substances Subject to Working Environment Measurement Not applicable

Hazardous Substances Subject to Workers Requiring Health Examination Not applicable

Hazardous Substances Subject to Control Not applicable

Substance Subject to Submission of PSM Not applicable

15.2. Chemical Substances Control Act

Substance Hazardous to Human Health and Environment Not applicable

Prohibited Substances Not applicable

Restricted Substances Not applicable

Substances Requiring Preparation for Accident Not applicable

15.3. Safety Control of Dangerous Substances Act

Safety Control of Dangerous Substances Act Not applicable

15.4. Wastes Control Act

Hazardous Substances in Designated wastes Not applicable

Types of wastes No data available

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15.5. Other requirements in domestic and other countries

Act on Registration and Evaluation of Chemicals (K-REACH)

Korea Existing Chemicals Inventory (KECI)	Applicable	Luminy® FOAM 50F (KECI-No. : 2003-3-2341) 9051-89-2: (3R,6R)-3,6-Dimethyl-1,4-dioxane-2,5-dione polymer with rel-(3R,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione and (3S,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione (KECI-No. : 2003-3-2341) 64742-47-8: Distillates (petroleum), hydrotreated light (KECI-No. : KE-12550)
Priority Existing Chemicals (PEC)	Not applicable	
Substances Subject to Intensive Control	Not applicable	
CMR Substances	Not applicable	

Other Domestic Regulations

Persistent Organic Pollutants(POPs) Control Act	Not applicable
Ozone Depleting Substances(ODS)	Not applicable
PRTR Substances	Not applicable

EU Regulatory Information

EU Candidate list (SVHC)	Contains no substance(s) listed on the REACH Candidate List
EU authorization list (REACH Annex XIV)	Not listed on REACH Annex XIV (Authorisation List)
EU restriction list (REACH Annex XVII)	Applicable

US Regulatory Information

CERCLA Section 103 (40CFR302.4)	Not applicable
EPCRA Section 302 (40CFR355.30)	Not applicable
EPCRA Section 304 (40CFR355.40)	Not applicable
EPCRA Section 313 (40CFR372.65)	Not applicable

SECTION 16 : Other information

16.1. Data sources	: No data available
16.2. Issue date	: 28/04/2026
16.3. Revision number and date	: 1.0,
16.4. Other information	: No data available

16.5. Indication of changes:

Not applicable.

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