

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date : 2023/09/19

Version: 8.0

Page: 1/11

(30221349/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Elastollan® 1185 A 10FHF000

Recommended use of the chemical and restriction on use

Recommended use*: Polymer

Recommended use*: Polymer

Suitable for use in industrial sector: plastics processing industry

Unsuitable for use: Uses other than recommended

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: Polymer based on: polyurethane, flame retardant, stabilizing agents, additives

Synonyms: THERMOPLASTIC POLYURETHANE ELASTOMER
TPU

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 2/11
(30221349/SDS_GEN_US/EN)

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria. The dangerous ingredients are fixed in a polymer matrix.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):

UNDER HOT MELT PROCESSING CONDITIONS, WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT THERMAL BURNS.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1)

CAS Number: 37640-57-6

Content (W/W): ≥ 25.0 - $< 50.0\%$

Synonym: 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione compd. with 1,3,5-triazine-2,4,6-triamine (1:1)

triphenyl phosphate

CAS Number: 115-86-6

Content (W/W): > 0.0 - $< 1.0\%$

Synonym: Phosphorsäuretriphenylester

4. First-Aid Measures

Description of first aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Burns caused by molten material require hospital treatment.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Immediately rinse mouth and then drink 200 - 300 ml water, do not induce vomiting, seek medical attention.

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 3/11
(30221349/SDS_GEN_US/EN)

Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far

Information on: 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1)
Symptoms: Overexposure may cause: nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.
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5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, foam, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
No particular hazards known.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

In case of fire and/or explosion do not breathe fumes.

6. Accidental release measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

No special precautions necessary.

Environmental precautions

No special precautions necessary.

Methods and material for containment and cleaning up

Spills should be contained and placed in suitable containers for disposal.

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 4/11
(30221349/SDS_GEN_US/EN)

7. Handling and Storage

Precautions for safe handling

Provide suitable exhaust ventilation at the drying process and in the area surrounding the melt outlet of processing machines.

Protection against fire and explosion:

No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Suitable materials for containers: Paper/Fibreboard, High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Avoid extreme heat. Avoid deposition of dust. From this information no suitability of the materials mentioned above for the design of installations, including containers for permanent storage, can be inferred. Special conditions apply to the selection of materials in this regard, which we can communicate on request.

Storage stability:

Protect against moisture.

8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions., Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Wear splash goggles to protect from hot molten substance/product.

Body protection:

Standard work clothes and shoes., light protective clothing, Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 5/11
(30221349/SDS_GEN_US/EN)

9. Physical and Chemical Properties

Form:	granules	
Odour:	odourless	
Odour threshold:	not determined	
Colour:	colourless	
pH value:	not applicable	
softening temperature:	> 120 °C	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
boiling temperature:	The product is a non-volatile solid.	
Sublimation point:	No applicable information available.	
Flash point:	not applicable, the product is a solid	
Flammability:	not flammable	(Directive 92/69/EEC, A.10)
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	> 400 °C	
SADT:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Vapour pressure:	not applicable	
Density:	approx. 1.1 - 1.2 g/cm ³ (20 °C)	
Bulk density:	500 - 700 kg/m ³ (20 °C)	
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated. > 230 °C Thermal decomposition above the indicated temperature is possible. Prolonged thermal loading can result in products of degradation being given off.	
Viscosity, dynamic:	not applicable	
Viscosity, kinematic:	not applicable, the product is a solid	
Particle size:	typically D50 4.5 - 4.7 mm	
Solubility in water:	insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	No data available.	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Reactivity

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 6/11
(30221349/SDS_GEN_US/EN)

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
not fire-propagating

Reactions with water/air:	Reaction with:	water
	Flammable gases:	no
	Toxic gases:	no

Chemical stability

The product is chemically stable.

Peroxides: The product does not contain peroxides. The product/the substance has not a tendency towards the formation of peroxide.

Possibility of hazardous reactions

The product is chemically stable.
No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

No conditions to avoid anticipated.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Decomposition products:
carbon monoxide, carbon dioxide, hydrogen cyanide

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.
> 230 °C
Thermal decomposition above the indicated temperature is possible.
Prolonged thermal loading can result in products of degradation being given off.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Inhalation of particulates may cause respiratory tract irritation. Ingestion may cause gastrointestinal disturbances. Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 7/11
(30221349/SDS_GEN_US/EN)

Oral

Type of value: ATE

Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The chemical structure does not suggest a specific alert of toxicity on target organs after repeated exposure. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1)

Assessment of repeated dose toxicity: Damages the kidneys. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 8/11
(30221349/SDS_GEN_US/EN)

Information on: 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, compd. with 1,3,5-triazine-2,4,6-triamine (1:1)
Assessment of reproduction toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

Other Information

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12. Ecological Information

Toxicity

Toxicity to fish

Information on: triphenyl phosphate
LC50 (96 h) 0.4 mg/l, Oncorhynchus mykiss (other, static)

Aquatic invertebrates

Information on: triphenyl phosphate
EC50 (48 h) 2.41 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Literature data.

Aquatic plants

Information on: triphenyl phosphate
EC50 (72 h) 3.73 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)
No observed effect concentration (72 h) 2.3 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

Chronic toxicity to fish

Information on: triphenyl phosphate
EC10 (30 d) 0.037 mg/l, Oncorhynchus mykiss (other, Flow through.)

Chronic toxicity to aquatic invertebrates

Information on: triphenyl phosphate
No observed effect concentration (21 d) 0.254 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

Microorganisms/Effect on activated sludge

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 9/11
(30221349/SDS_GEN_US/EN)

Toxicity to microorganisms

Information on: triphenyl phosphate

:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Poorly biodegradable.

Elimination information

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen(AOX):

This product contains no organically-bound halogen.

13. Disposal considerations

Waste disposal of substance:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 10/11
(30221349/SDS_GEN_US/EN)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

NFPA Hazard codes:

Health: 1 Fire: 0 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 0 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2023/09/19

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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Safety Data Sheet

Elastollan® 1185 A 10FHF000

Revision date: 2023/09/19
Version: 8.0

Page: 11/11
(30221349/SDS_GEN_US/EN)

END OF DATA SHEET