

SAFETY DATA SHEET

According to Regulation EU No. 1907/2006 and Regulation EU No. 830/2015

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 1 z 8

1. Identification of the substance/mixture and of the company/undertaking

1.1. Identifier product

Product name:

VISCORD FR

The viscose fibre containing a fire retardant (a mixture of substances)

Registration number:

is not subject of the registration

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses of the substance or mixture:

Production of chemical substances, mixtures and intermediates, textile industry, the uses in consumer goods for household

Uses advised against: production of feeds, nutritional and pharmaceutical industry

1.3. Details of the supplier of the safety data sheet

Supplier identification:

Trade name: Indorama Ventures Mobility Bohemia s.r.o.

Address: Terežinská 60, 410 02 Lovosice, Czech republic

Phone number: +420 416 575 111 fax: +420 416 575 108

E-mail: marketa.svagrova@cz.indorama.net

1.4. Emergency telephone number

Toxikologické informační středisko:

Phone.: +420 224 919 293; +420 224 915 402

Address: Klinika pracovního lékařství 1. LF UK a VFN, Na Bojišti 1, 120 00 Praha 2

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008:

Product is not classified as dangerous.

Danger property: not determined.

H-phrases: not determined.

The most important adverse physicochemical effects: not determined

The most important adverse for human health: not determined

The most important adverse for the environment: not determined

2.2. Label elements

Classification of the mixture according to Regulation (EC) No.1272/2008:

Product is not classified as dangerous.

Hazard pictogram(s): not determined.

SAFETY DATA SHEET

According to Regulation EU No. 1907/2006 and Regulation EU No. 830/2015

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 2 z 8

H-phrases: not determined.

P-phrases: not determined.

2.3. Other hazard:

Not known

Product has not been identified as PBT / vPvB in sense of Annex XIII Directive REACH.

3. Composition/information on ingredients

3.1. Mixtures

Product name:

VISCORD FR

The viscose fibre containing a fire retardant

The fire retardant maximum concentration up to 22 wt%. The product may further contain an addition agent for the fibre surface finish (max.0.5 wt%). Coloured products contain addition agents in the form of organic pigments. None of these additive agents has hazardous properties.

Registration number:

is not subject of the registration

4. First aid measures

4.1. Description of first aid measures

General information:

During first delivery it is necessary to ensure safety of disabled person and saving person

In states of endangering of life to carry out the resuscitation:

affected person is not breathing

cardiac arrest

unconscious

- immediately do artificial respiration

- immediately initiate indirect heart massage

- it is necessary to lay the victim into the recovery position on the side

Other data: Other information concerning the delivery of first aid measures, especially in serious cases of health damage, the attending physician can consult the procedure with Toxikologické informační středisko,

phone (continually): +420 224 919 293, 224 915 402, fax 224 914 570.

Inhalation: By inhalation of dust or fibres, leave the place of exposure and move to fresh air.

Skin contact: First aid measures are not necessary.

Contact with eyes: In contact eyes with dust or fibres, flush eyes with plenty of water for at least 15 minutes (remove contact lenses if possible), occasionally lifting the upper and lower eyelids. Seek medical attention.

Ingestion: First aid measures are not necessary.

4.2. Most important symptoms and effects, both acute and delayed

Not known.

4.3. Indication of any immediate medical attention and special treatment needed

Not determined.

SAFETY DATA SHEET

According to Regulation **EU No. 1907/2006** and Regulation **EU No. 830/2015**

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 3 z 8

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Splitting water, medium and light foam.

Unsuitable extinguishing media:

Powder extinguishing agent, snow extinguishing agent

5.2. Special hazards arising from the substance or mixture

The product can be ignited, but stops burning when the source of fire is removed. The combustion products contain compounds of carbon, hydrogen and oxygen and can also contain carbon monoxide.

5.3. Advice for fire fighters

Use breathing apparatus when fighting a fire - danger of smoke and carbon monoxide. In storage spaces danger of stored product fall. Strong filling with smoke of storage spaces – losing sense of direction.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Not necessary

For emergency responders:

In case of dust formation use mask against dust, avoid contact with eyes (safety glasses).

6.2. Environmental precautions

Not necessary

6.3. Methods and material for containment and cleaning up

Methods of containment of leakage:

Not determined.

Methods for cleaning up:

Spilled amount remove by mechanical way (e.g. sweep off, exhaust), deposit into waste container (disposal as waste) and disposal in accordance with law of wastes.

Other information:

Not determined.

6.4. Reference to other section

See Section 8 and 13.

SAFETY DATA SHEET

According to Regulation EU No. 1907/2006 and Regulation EU No. 830/2015

Date of issue: 26.06.2023
 Revision number: 01
 Superseded version: 21.9.2017
 Page 4 z 8

7. Handling and storage

7.1. Precautions for safe handling

Not necessary.

7.2. Conditions for safe storage, including any incompatibilities

Storage in dry environment. Not store with acids, bases or flammable liquids for reason of undesirable reactions during fire. Observe rules of good storage of product.

7.3. Specific end use(s)

Not determined.

8. Exposure controls/personal protection

8.1. Control parameters

Not determined. Product is not classified as dangerous.

8.2. Exposure controls

Appropriate engineering controls:

Dustiness control, ensure ventilation/exhausting, dust deposited remove by mechanical way.

Individual protection measures, such as personal protective equipment:

Observe working procedure and rules for health, hygiene and safety at work.

Eye/face protection: Protective chemical resistant goggles.

Skin protection: Not necessary

Respiratory protection: In the case of dust formation use respirator with an approved filter.

Hand protection: Not necessary

Thermal hazard: Not determined, under normal conditions impossible.

Environmental exposure controls:

Product is not classified as dangerous for environment and has not been identified as PBT / vPvB in sense of Annex XIII Directive REACH.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Solid substance - fibre
Odour:	Odourless.
Odour threshold:	Not determined.
pH:	Not relevant
Melting point/ freezing point:	> 220°C decomposition
Initial boiling point and boiling range:	Not relevant
Flash point:	Not relevant

SAFETY DATA SHEET

According to Regulation **EU No. 1907/2006** and Regulation **EU No. 830/2015**

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 5 z 8

Evaporation rate:	Not relevant
Flammability (solid, gas):	Product is not flammable.
Upper/lower flammability or explosive limits:	Not explosive.
Vapour pressure:	Not relevant
Vapour density:	Not relevant
Relative density:	1,50 g/cm ³ (20 °C)
Solubility (in water):	insoluble in water and fats
Partition coefficient: n-octanol/water:	Not relevant
Auto-ignition temperature:	Not self-ignitable
Decomposition temperature:	> 220 °C
Viscosity:	Not relevant
Explosive properties:	Not explosive.
Oxidising properties:	No.

9.2. Other information

Not known.

10. Stability and reactivity

10.1. Reactivity

Substance is not reactive under normal conditions. Reaction with oxidizing agents, acids and bases.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reaction with oxidizing agents, acids and bases.

10.4. Conditions to avoid

Avoid contact with oxidizing agents, acids and bases. Avoid long time exposition to the sunlight. Decomposition at temperatures higher than 220 °C.

10.5. Incompatible materials

Oxidizing agents, acids and bases.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, other organic and inorganic low molecular substances.

11. Toxicological information

11.1. Information on toxicological effects

Mixtures:

SAFETY DATA SHEET

According to Regulation **EU No. 1907/2006** and Regulation **EU No. 830/2015**

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 6 z 8

The product is not toxic.

Acute toxicity:

LD₅₀ (oral, rat): Not determined

LC₅₀ (inhalation, rat 4 h):

Not determined.

Irritability:

Not irritant.

Causticity:

Not caustic.

Sensitization:

Not sensitizing.

Repeated dose toxicity:

Not toxic.

Carcinogenicity:

Not carcinogenic.

Mutagenic properties:

Not mutagenic.

Reproductive toxicity:

Not toxic to reproduction.

Information on likely routes of exposure:

Not determined.

Symptoms related to the physical, chemical and toxicological characteristics:

Not determined.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Not determined.

12. Ecological information

12.1. Toxicity

Product is not classified as dangerous for environment and has not been identified as PBT / vPvB in sense of Annex XIII Directive REACH.

LC₅₀ (96 hrs) fish: not determined

EC₅₀ (48 hrs) invertebrates: not determined

EC₅₀ (72 hrs) algae: not determined

12.2. Persistence and degradability

No accessible information available.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined. Substance is insoluble in water.

12.5. Results of PBT and vPvB assessment

Product has not been identified as PBT / vPvB

12.6. Other adverse effects

Not known.

SAFETY DATA SHEET

According to Regulation **EU No. 1907/2006** and Regulation **EU No. 830/2015**

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 7 z 8

13. Disposal considerations

13.1. Waste treatment methods

Ways of disposal: Product has to be disposed in accordance with law of wastes in valid version and with connecting on legal directives. Useless residues are waste of category "O" (others). Observe all safety procedures and substance put into labelled non-permeable container, bigger amounts then hand over to authorized person for disposal.

Contaminated container treatment methods: Contaminated container has to be disposed in accordance with law of wastes in valid version and with connecting on legal directives. Empty contaminated containers are waste of category "O" (others). Retail package put into separated collection of municipal wastes. Industrial containers or packages hand over to authorized person for disposal.

Other information: Disposal has to be in accordance with law of wastes in valid version and with connecting on legal directives.

14. Transport information

14.1. UN number : product is not dangerous for transport

14.2. UN proper shipping name: product is not dangerous for transport

14.3. Transport hazard class(es): product is not dangerous for transport

14.4. Packing group: product is not dangerous for transport

14.5. Environmental hazards: product is not dangerous for transport

14.6. Special precautions for user: product is not dangerous for transport

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
product is not dangerous for transport

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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.

COMMISSION REGULATION (EU) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation,

SAFETY DATA SHEET

According to Regulation **EU No. 1907/2006** and Regulation **EU No. 830/2015**

Date of issue: 26.06.2023

Revision number: 01

Superseded version: 21.9.2017

Page 8 z 8

Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Substance is not classified as dangerous.

16. Other information

List of relevant H- and P-phrases (Sections 2.):

Substance is not classified as dangerous - H- and P-phrases are not determined.

Advices for training:

Give information of this Safety Data Sheet and good industrial hygiene and safety practice of handling with chemical substances and mixtures to the employers.

The details in this safety data sheet are based on our status of knowledge and experience at the time of date issue. They are not a contractual assurance of quality properties of the product, and they apply only in conjunction with correct and proper handling of the product under normal conditions, and according to the details of specified use on the packing and/or in the technical instructions. The user himself is fully responsible for every other use of the product such as in combination with other products or with other processes.

Wellspring of information for elaboration of Safety Data Sheet:

- Legal directives in valid version
- Safety data sheet from 21.9.2017

Abbreviations:

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and very bioaccumulative

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals