



## Safe Use Instructions Sheet \*

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JW / SUIS\_VarioXtra\_

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### 1. Identification of the Substance or Mixture and the Company

#### 1.1. Product identifier

ISOVER Vario® Xtra  
ISOVER Vario® XtraSafe

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

Recommended application:  
Vapour control layers.

#### 1.3. Details of the supplier of the Safe Use Instructions Sheet

SAINT-GOBAIN ISOVER G+H AG  
Bürgermeister-Grünzweig-Straße 1  
D - 67059 Ludwigshafen/Rhein  
Phone: ++49 (0)621 501 2096  
Fax: ++49 (0)621 501 201  
E-Mail: dialog@isover.de

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### 2. Potential Hazards

#### 2.1. Classification of substance or mixture

**According to Regulation (EC) 1272/2008 (CLP):**  
The product is not classified as hazardous.  
Nevertheless please note this product information.

#### 2.2. Labelling

**According to Regulation (EC) 1272/2008 (CLP):**  
No mandatory labelling.  
Nevertheless please note this product information.

#### 2.3. Additional hazards

General information:	Low risk: Product can only form ignitable mixtures or burn if it is heated to temperatures above the flash point. The product does not fulfil the criteria for classification as vPvB or PBT substance.
Warming:	When warming the product, sufficient ventilation should be provided. In certain cases, extractor-fans should be installed directly on the machines.
Overheating:	Incorrect processing of plastics can lead to the formation of low molecular decomposition products. It is therefore important to prevent overheating of the molten material (see also Section 10).
Fire hazard:	Toxic gases are produced during burning (see also Section 10.)
Sparking:	No risk of electrostatic charging.
Danger of slipping:	Films lying on the floor can cause a danger of slipping.

\* Inspired by commission regulation (EU) 2015/830. Safety data sheets are only mandatory for hazardous substances and mixtures. ISOVER Vario® products do not fall in any of the categories.

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## 3. Composition / Information on Components

### Chemical characterization

Substance	C.A.S. number (EC-number)	REACH reg.no.:	Content (%)	Classification acc. to Regulation (EC) 1272/2008 (CLP)
Vario® Xtra: flexible laminate of following composition:				
Polyamide – film	25038-54-4	---	35-38 %	---
Synthetic resin – adhesive	---	---	3-4 %	---
Polypropylene – non-woven	9003-07-0	---	58-62 %	---
Vario® XtraSafe: flexible laminate of following composition				
Polyamide – film	25038-54-4	---	35-45 %	---
Synthetic resin – adhesive	---	---	3-6 %	---
Polyester – non-woven	9003-07-0	---	49-62 %	---

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## 4. First-Aid Measures

### 4.1. Description of First-Aid Measures

After inhalation:	Inhalation of fumes: Remove patient from exposure, keep warm and calm. Use suitable respiratory protection measures. If breathing is irregular or if it has stopped, proceed with artificial respiration. Seek medical help.
After skin contact:	With hot product: Cool the affected areas with plenty of cold water. Cover with a clean cloth or sterile gauze and consult a doctor immediately. Do not try to remove the product from the skin or remove soiled clothing as this may cause the injured skin tissue to be torn off.
After eye contact:	This product is an inert solid. In case particles come into the eye, remove by irrigating with eye wash solution or clean water, holding the eyelids apart. Seek medical help.
After ingestion:	First aid is normally 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

In case of unconsciousness: Emergency call.

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## 5. Fire-Fighting Measures

### 5.1. Fire extinguishing media

Suitable fire extinguishing media:

Adapt to the nature and extent of fire.  
Water / foam / CO<sub>2</sub> / dry extinguisher.

Unsuitable fire extinguishing agents:

n.d.a.

### 5.2. Particular hazard from combustion or decomposition products

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Combustion or thermal decomposition will involve toxic and corrosive vapours:

Oxides of Carbon

Nitrogen oxides

Smoke

## **5.3. Advice for firefighters / Special protective equipment for fire-fighting**

In the presence of combustion or carbonisation gases, any fire-fighting, rescue and clearing up activities should be undertaken only with heavy-duty respiratory and eye protection equipment (see also Sections 3, 8 and 10).

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## **6. Accidental Release Measures**

### **6.1. Personal precautionary measures, protective equipment and emergency measures**

No special measures required.

Seek expert advice when disposing of collected material.

If films are lying on the floor, caution – risk of slipping.

### **6.2. Environmental protection measures**

Observe to the legal requirements for waste disposal.

### **6.3. Cleaning procedure**

Collect the product in suitable containers and either recycle or dispose of.

### **6.4. References to other sections**

For information on components see Section 3, for personal protective equipment see Section 8 and for disposal instructions see Section 13.

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## **7. Handling and Storage**

### **7.1. Precautions for safe handling**

General recommendations: Avoid contact with naked flames and hot surfaces as irritant and toxic decomposition products can be formed.

### **7.2. Conditions for safe storage**

Storage on pallets in dry, enclosed rooms with solid foundation.

Stack loose bales in containers, racks or secure using wedges.

Pallets with lying bales must not be stacked.

Upright bales can be stacked up to a maximum of 3 high.

Stack products in cardboard boxes up to a maximum height of 5.5 m.

Risk of electrostatic charge: Taking measures against.

Storage temperature: Ambient temperature.

Storage and transport pressure: Atmospheric.

### **7.3. Specific end-use(s)**

Transport temperature: Ambient temperature.

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Loading and unloading temperature: Ambient temperature.  
Normal form of transportation: On pallets or goods wagons.

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## 8. Exposure Controls / Personal Protective Equipment

### 8.1. Control parameters

None.

### 8.2. Personal protective equipment

If contact with hot material is possible, wear heat proof gloves, arm- and face shields.  
If the ambient air concentrations exceed the above mentioned normal value in spite of technical safety measures, further measures should be taken to extract the fumes. In other cases wear respiratory protection equipment.  
Hygiene measures: With sufficient ventilation on the working area and correct handling and processing no health risks are to be expected.

### 8.3. Environmental exposure controls

No information available at present.

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## 9. Physical and Chemical Properties

### 9.1. General information

Physical state:	Solid.	
Colour:	Nature, opt. coloured	
	ISOVER Vario® Xtra:	white; printed black, green and yellow
	ISOVER Vario® XtraSafe:	white; printed black, green and yellow
Odour:	Odourless.	
Odour threshold:	n.d.a.	
pH-value:	Not applicable.	
Melting point:	ISOVER Vario® Xtra:	PA: 200 °C; PP: 165 °C
	ISOVER Vario® XtraSafe:	PA: 200 °C; PET: 250 °C
Initial boiling point:	Not applicable.	
Flash point:	330 °C	
Evaporation rate:	Not applicable.	
Ignition point:	> 340 °C	
Vapour pressure:	Not applicable.	
Density:	n.d.a.	
Water solubility:	Insoluble.	
Auto-ignition temperature:	Not applicable.	
Decomposition temperature:	Not applicable.	
Viscosity:	Not applicable.	
Explosive properties:	Not applicable.	
Oxidizing properties:	Not applicable.	
Hygroscopic characteristics:	Yes.	

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## 10. Stability and Reactivity

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## **10.1. Reactivity**

Not reactive under normal conditions.

## **10.2. Chemical stability**

Stable under normal conditions.

## **10.3. Hazardous reactions**

No dangerous reactions are expected.

## **10.4. Conditions to be avoided**

Temperatures above 200 °C and exposure to sun and UV-light could lead to decomposition of the polymers.

## **10.5. Materials to be avoided**

Do not bring into contact with: Fluorine, strong oxidising agents.

## **10.6. Hazardous decomposition products**

See also Section 5.2.

Thermal decomposition products are toxic and corrosive:

Hydrocarbons

Carbon dioxide

Carbon monoxide

Smoke

Reduced oxygen supply can cause the development of carbon monoxide and irritant smoke.

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# **11. Toxicological Information**

## **11.1. Information on toxicological effects**

	According to present experience, the material is physiologically compatible, neither mutagenic, cancerogenic, nor teratogenic.
Acute toxicity:	n.d.a.
Irritant effect to the skin:	None.
Irritant effect to the eyes:	Particle can damage the conjunctiva and cause irritation.
Sensitisation:	Low health risk under normal conditions. Contact with hot product may cause thermal burns.
Germ cell mutagenicity:	Not determined.
Carcinogenicity:	Not determined.
Reproductive toxicity:	Not determined.
Specific target organ toxicity (single exposure):	Because of the reaction inertness in a single exposure no toxic effect will be expected.
Specific target organ toxicity (repeated exposure):	Long or frequent skin contact causes no extraordinary cutaneous reaction. Effects from exposure to dusts or fumes over long periods have not been studied.
Aspiration hazard:	Low health risk under normal conditions. Fumes and/or aerosols can be generated at high temperatures, which can irritate eyes and air-passages.

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## 12. Environmental details

### 12.1. Toxicity:

n.d.a.

### 12.2. Persistence and degradability

Product is insoluble in water and not biodegradable.

### 12.3. Bioaccumulative potential

n.d.a.

### 12.4. Mobility in soil

n.d.a.

### 12.5. Results of PBT- und vPvB-assessment

See Section 2.

### 12.6. Other harmful effects

See Section 2.

General information:

The material has no harmful effect on the environment.

Water hazard class:

0 (self estimation)

Oxygen required lies under the detection limit of 50 mg/l.

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## 13. Disposal Instructions

### 13.1. Waste treatment methods

In accordance with the necessary technical and local regulations may be dumped with household waste without harmful effects to the environment.

Recycling of the laminate is possible.

Recommendation:

Pay attention to local and national official regulations.

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## 14. Details Regarding Transport

### 14.1. UN-number

GGVS / GGVE:

Non-hazardous material.

ADR / RID:

Non-hazardous material.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class

Not applicable.

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## **14.4. Classification code**

Not applicable.

## **14.5. Environmental hazards**

GGVS / GGVE: Non-hazardous material.

ADR / RID: Non-hazardous material.

ICAO-TI / IATA-DGR: Non-hazardous material.

AND/ADNR: Non-hazardous material.

## **14.6. Special precautions for user**

See Section 6-8.

## **14.7. Transport in bulk according to Annex II of MARPOL and the IBC-code**

Shipment and delivery only by legal and proper packing.

Proper shipping name: Not classified.

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# **15. Legal Provisions**

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

For classification and labelling see Section 2.

## **15.2. Chemical safety assessment**

A chemical safety assessment is not necessary for this product.

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# **16. Other Information**

n.d.a. no data available

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At the time of issue, the descriptions in these product details and processing instructions are based on the state of our knowledge and imply that the product is used as intended. They describe the product only with regard to safety requirements and constitute no information on the composition of the product and no guaranteed properties of the product. It is the purchaser's and/or user's own responsibility to respect any property rights and relevant legal provisions.