

According to Regulation (EC) No 2015/830 and (EC) No 1907/2006

## 1. Product and Company Identification

### 1.1 Product identifiers

Name of product: ThinStar  
Type of product: Mixture

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

Identified uses: Processing aid for industrial applications.  
Uses advised against: All non-professional uses.

### 1.3 Details of the supplier of the Safety Data Sheet

Sirius-ES Handels GmbH  
Bahnhofplatz 3  
4600 Wels  
Austria  
Telephone: +43(0)7242 – 93965660  
Telefax: +43(0)7242 – 93965666  
e-mail: office@sirius-es.com  
Web: [www.sirius-es.com](http://www.sirius-es.com)

### 1.4 Emergency telephone number

Germany: Giftnotruf Berlin (Berlin): +49 30 19 240  
Austria: Vergiftungszentrale Wien: +43 1 406 43 430

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008: Not classified.

### 2.2 GHS Label Elements, including precautionary statements

Labelling according to Regulation (EC) 1272/2008:

Hazard pictogram(s): None.  
Signal word: None.  
Hazard statement(s): None.  
Precautionary statement(s): None.  
Additional elements: None.

### 2.3 Other hazards

Spills produce extremely slippery surfaces.

#### PBT and vPvB assessment:

Does not fulfil the criteria according to Annex XIII of REACH.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization

Not applicable, this product is not a substance.

### 3.2 Mixtures

Hazardous components:  
Contains no reportable hazardous substances.

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## 4. First Aid measures

### 4.1 Description of first aid measures

Inhalation:

No hazards which require special first aid measures. Move to fresh air.

Skin contact:

Wash off with plenty of water. Get medical attention if irritation develops and persists.

Eye contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion:

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.

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

None under normal use.

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

None reasonably foreseeable.

Other information:

None.

## 5. Firefighting measures

### 5.1 Extinguisher media

Suitable extinguishing media:

Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.

Unsuitable extinguishing media:

None known.

### 5.2 Special hazards arising from substance or mixture

Hazardous decomposition products:

Carbon oxides (CO<sub>x</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

### 5.3 Advice for firefighters

Protective measures:

No special protective measures against fire required.

Other information:

Will not burn until water is evaporated. Spills produce extremely slippery surfaces.

### 5.4 Further information

None.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

No special precautions required. Spills produce extremely slippery surfaces.

### Protective equipment:

Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

### Emergency procedures:

Prevent further leakage or spillage if safe to do so. Keep people away from spill/leak.

### **6.2 Environmental precautions**

As with all chemical products, do not flush into surface water.

### **6.3 Methods and materials for containment and cleaning up**

#### Small spills:

*Do not flush with water.* Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

#### Large spills:

*Do not flush with water.* Dam up. Clean up promptly by scoop or vacuum.

#### Residues:

*After cleaning, flush away traces with water.*

### **6.4 Reference to other sections**

SECTION 7:	Handling and storage
SECTION 8:	Exposure controls/personal protection
SECTION 13:	Disposal considerations

## 7. Handling and storage

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

Renders surfaces extremely slippery when spilled.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Freezing will affect the physical condition and may damage the material.

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

Processing aid for industrial applications.

## 8. Exposure controls / personal protection

### **8.1 Control parameters**

#### National occupational exposure limits:

None.

#### Derived No and Minimum Effect Levels (DNELs/DMELs)

None known.

#### Predicted no-effect concentrations (PNECs)

None known.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

#### **Personal protective equipment**



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### Eye/face protection:

Safety glasses with side-shields.

### Skin protection:

Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

### Hand protection:

Impervious gloves.

### Respiratory protection:

Not required ; except in case of aerosol formation.

### Additional advice:

Handle in accordance with good industrial hygiene and safety practice.

### **Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Clear to slightly yellow liquid.
Odour:	Slight.
Odour Threshold:	No data available.
pH:	6 - 9
Melting point/freezing point:	< 0°C
Initial boiling point and boiling range:	> 100°C
Flash point:	Does not flash.
Evaporation rate:	Same as water.
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits:	Not expected to create explosive atmospheres.
Vapour pressure:	2.3 kPa @ 20°C
Vapour density:	Equivalent to water (~0.8 g/l).
Relative density:	1.2 - 1.4
Solubility(ies):	Completely miscible in water.
Partition coefficient:	~0
Autoignition temperature:	Does not self-ignite (based on the chemical structure).
Decomposition temperature:	> 100°C
Viscosity:	See Technical Bulletin.
Explosive properties:	Not expected to be explosive based on the chemical structure.
Oxidizing properties:	Not expected to be oxidising based on the chemical structure.

### 9.2 Other safety information

None.

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## 10. Stability and reactivity

### 10.1 Reactivity

None known.

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

Thermal decomposition may produce: nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>), hydrogen cyanide (hydrocyanic acid).

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Information on the product as supplied:

Acute oral toxicity:

LD50/oral/rat > 5000 mg/kg (Estimated)

Acute dermal toxicity:

LD50/dermal/rat > 5000 mg/kg (Estimated)

Acute inhalation toxicity:

Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely: the substance has no vapour pressure and there is practically no exposure to inhalable aerosols.

Skin corrosion/irritation:

By analogy with similar products, this product is not expected to be irritating.

Serious eye damage/eye irritation:

By analogy with similar products, this product is not expected to be irritating.

Respiratory/skin sensitization:

By analogy with similar products, this product is not expected to be sensitizing.

Mutagenicity:

By analogy with similar products, this product is not expected to be mutagenic.

Carcinogenicity:

By analogy with similar substances, this substance is not expected to be carcinogenic.

Reproductive toxicity:

By analogy with similar substances, this substance is not expected to be toxic for reproduction.

STOT - single exposure:

No known effects.

STOT - repeated exposure:

No known effects.

Aspiration hazard:

No hazards resulting from the material as supplied.

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## 12. Ecological information

### 12.1 Toxicity

Information on the product as supplied:

Acute toxicity to fish:	LC50/Oncorhynchus mykiss/96 hours > 100 mg/L (Estimated)
Acute toxicity to invertebrates:	EC50/Daphnia/48 hours > 100 mg/L (Estimated)
Acute toxicity to algae:	IC50/Algae/72 hours > 100 mg/L (Estimated)
Chronic toxicity to fish:	No data available.
Chronic toxicity to invertebrates:	No data available.
Toxicity to microorganisms:	No data available.
Effects on terrestrial organisms:	No data available.
Sediment toxicity:	No data available.

### 12.2 Persistence and degradability

Information on the product as supplied:

Degradation:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyse.
Photolysis:	No data available.

### 12.3 Bioaccumulative potential

Information on the product as supplied:

The product is not expected to bioaccumulate.	
Partition co-efficient (Log Pow):	~0
Bioconcentration factor (BCF):	No data available.

### 12.4 Mobility in soil

Information on the product as supplied:

No data available.

### 12.5 Results of PBT and vPvB assessment

PBT assessment:

Does not fulfill the criteria according to Annex XIII of REACH.

vPvB assessment:

Does not fulfill the criteria according to Annex XIII of REACH.

### 12.6 Other adverse effects

None known.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Waste from residues / unused products:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging:

Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Recycling:

In accordance with local and national regulations.

## 14. Transport information

### 14.1 UN number

Not classified.

### 14.2 UN proper shipping name

Not classified.

### 14.3 Transport hazard class(es)

Not classified.

### 14.4 Packing group

Not classified.

### 14.5 Environmental hazards

Not classified.

### 14.6 Special precautions for user

None.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not classified.

### 14.8 Additional information

None.

## 15. Regulatory information

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

All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

### 15.2 Chemical Safety assessment

A Chemical Safety Assessment for this product has been carried out. All relevant information used to conduct this assessment are included in this Safety Data Sheet as well any as any resulting Risk Reduction Measures.

## 16. Other information

This data sheet contains changes from the previous version in section(s):

SECTION 2.	Hazards identification
SECTION 3.	Composition/information on ingredients
SECTION 4.	First aid measures
SECTION 11.	Toxicological information
SECTION 16.	Other Information

Key or legend to abbreviations and acronyms used in the safety data sheet:

None.

This SDS was prepared in accordance with the following:

Regulation (EC) No. 1907/2006

Regulation (EC) No. 1272/2008

Regulation (EU) No. 2015/830

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### ANNEX(ES)

This product is not hazardous as supplied and does not contain:

- hazardous components which require REACH registration; or,
- demonstrate relevant effects which would require a chemical safety assessment; or,
- are present at concentrations above their cut-off value.

Therefore, according to Regulation (EC) No 1907/2006, Article 31, paragraph 7, an Exposure Scenario is not required as an annex to the Safety Data Sheet.

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