



Certified translation from German into English  
**Safety data sheet**  
according to VO 1907/2006/EC

Product Name: iglidur® I150

Status 18 October 2016

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### 1 Description of the material / product and company

Description of the material or product: iglidur® I150-PF  
Use of the material or product: Plastic filament  
respectively moulded  
plastic parts  
Description of the company: igus® GmbH  
Spicher Str. 1a  
D-51147 Cologne  
Telephone: 02203/9649-0  
Fax: 02203/9649-222  
Emergency call (Poison Information Centre North): 0551/19240

### 2 Possible risks

Noxious gases or dusts may form in the event of a fire and during thermic and mechanical machining, see Point 10. These can cause irritation of eyes, nose, throat and the respiratory tract. The product will burn when exposed to fire. Please call the Poison Information Centre North (see Point 1) in emergencies. The product does not require labelling.  
The thermal decomposition products of fluorinated polymers can cause polymer fume fever with flu-like symptoms in humans, especially following smoking of contaminated tobacco products.

Not determined as hazardous according to EU guidelines.

### 3 Composition / information about components

Product based on a thermoplastic polymer mixture with additives and fillers.

### 4 First-aid measures

Inhalation: After inhaling decomposition products move affected persons into the open air and let them rest. Call a medical doctor in case of complaints such as nausea or headaches.

Skin contact: Mechanical effects may lead to irritation or injuries. After contact with the molten product quickly cool affected skin area with water. Do not remove polymer from skin. Consult a medical doctor.

Eye contact: Mechanical effects may lead to irritation or injuries. Immediately rinse carefully and thoroughly with eye shower or water. Seek medical attention if complaints persist.

Ingestion: Do not induce vomiting; seek instant medical attention and show this safety data sheet. If victim is unconscious, never administer water.

### 5 Fire-fighting measures

Suitable fire-extinguishing agents: Water spray jet, foam, fire extinguishing powder, carbon dioxide.

Unsuitable fire-extinguishing agents: Water with full jet.

Special hazard caused by product, its combustion products or gases: In the case of fire a strong smoke will occur. Dangerous combustion gases or fumes can occur. Regarding dangerous combustion gases see Point 10.

Compiled:	Tom Krause / 18.10.2016	Approved:	Peter Spanier	Amended:		QA number:	
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Use a breathing apparatus that is independent of the environmental air.

Adapt fire-fighting measures to surrounding fire. Do not inhale fumes.

#### 6 Measures after unintentional release

Personal precautions: Remove mechanically to prevent risk of slipping.

Environmental protection measures: Do not allow to penetrate into soil, water or canalisation.

#### 7 Handling and storage

Handling: Do not eat, drink, smoke or take snuff at the workplace. Respect usual hygiene measures of industry. Thermal processing and machining requires good ventilation or extraction systems at the processing machines. When opening containers do not inhale emerging fumes. Keep clear from sources of ignition.

Storage conditions: Store in closed containers. Keep clear from heat and sources of ignition. Store in a cool and dry place with sufficient airing.

Special storage conditions: Do not store together with oxidizing agents, acids and alkalis. Store away from food and beverages.

Additional storage conditions: Take measures against electrostatic charging. The product is combustible.

#### 8 Limitation and monitoring of exposure / personal protective equipment

No personal protective measures are required during appropriate use and application. Wash hands after use, in particular before eating, drinking or smoking. No decomposition during appropriate storage and use.

#### 9 Physical and chemical properties

Commercial form:	Moulded plastic part / solid
Colour:	White
Smell:	low odor; product specific
Flash point:	Not determined
Ignition temperature:	Not determined
Self-igniting solid:	Not self-igniting
Fire-enhancing properties:	combustible
Density:	1300 kg/m <sup>3</sup>
Solubility in water:	Insoluble

#### 10 Stability and reactivity

Sustances to be avoided: strong acids and oxidation agents.

Conditions to be avoided: The thermal decomposition of the product starts at 280°C. No decomposition during appropriate use, storage and handling. Electrostatic charging.

Hazardous fumes: Carbon dioxide, Carbon monoxide, carbonyl fluoride, hydrogen fluoride, perfluorobutene, acetaldehyde, toxic fumes, gases or particles.

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### 11 Toxicological information

The product does, to the best of our knowledge, not have any noxious effects when it is appropriately handled and used.

Do not heat plastic part to temperatures above 85°C. Only use plastic filament for one single melt according to the processing instructions.

Notes for safe handling: Processing and machining require good ventilation or extraction systems at the processing machines. Absolutely avoid the formation of dust.

### 12 Environmental relevant information

**Migration behaviour and behaviour in the ecosystem:** The product is a solid polymer that is insoluble in water and is not expected to have any disadvantageous effects on plants, animals or micro-organisms. It should nevertheless not be allowed to penetrate into the ground water, bodies of water or the drainage system.

**Persistence and degradation:** The substance is not biodegradable.

**Behaviour in waste water treatment plants:** Effects at the biological cleaning stage are not to be expected.

### 13 Disposal information

The product can be incinerated in an approved plant in compliance with technical guidelines or stored together with domestic waste in an appropriate landfill site. Hydrogen fluoride must be removed by flue gas scrubbing.

Waste name: fluorine-containing plastic waste.

### 14 Transport information

Not deemed to be hazardous goods according to the transport regulations (GGVS/ADR, GGVE/RID, GGVBinSch/ADNR, GGVSee/IMDG Code, ICAO-Ti/IATA-DGR). Sending by mail is permitted.

### 15 Information concerning legal regulations

No compulsory marking according to EC Directives.

Water hazard class: nwg - not hazardous to water

### 16 Other information

The information provided above is based on the current state of our knowledge and does not guarantee any properties. The receiver is responsible for compliance with existing laws and regulations.

This document is not subject to a change service.

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