



Safety Data Sheet
according to VO 1907/2006/EC

Product name: iglidur® A160

Status: 03 June 2013

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1 Description of the material / product and company

Description of the material or product:	igidur® A160
Use of the material or product:	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 machining, see Point 10. 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.

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.

Skin contact: Mechanical effects may lead to irritation or injuries.

Eye contact: Mechanical effects may lead to irritation or injuries. Rinse for several minutes (15 minutes) with clean water or eye solution while keeping the eyelids pulled open. Remove contact lenses after 1 - 2 minutes of rinsing and continue rinsing for a few minutes. Seek immediate medical attention if complaints persist.

Ingestion: Call a medical doctor and show this safety data sheet. This could cause a blockage in the stomach and intestines. Do not administer laxatives or induce vomiting. If victim is unconscious, never administer water.

5 Fire-fighting measures

Suitable fire-extinguishing agents: Sprayed water jet, foam, fire extinguishing powder, carbon dioxide.

Unsuitable fire-extinguishing agents: Water with full jet.

Use a breathing apparatus that is independent of the environmental air. Dangerous combustion gases; see Point 10. Under certain fire conditions, traces of other toxic substances cannot be ruled out. The emergence of further decomposition and oxidation products depends on the fire conditions.

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

Dispose of contaminated fire fighting water and fire residues in accordance with official regulations.



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6 Measures after unintentional release

Personal precautions: Remove mechanically to prevent risk of slipping.

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

7 Handling and storage

Notes for safe handling: Machining requires good ventilation or extraction systems at the processing machines.

General hygiene measures for the use of chemicals must be adhered to. Eating, drinking and smoking in the work room is prohibited. Do not store food. Avoid dust formation.

Special storage conditions: Store in a cool and dry place. Do not store in passageways or staircases. Keep clear from sources of ignition. The product is combustible. Do not store together with strong acids and oxidizing agents.

Take measures against electrostatic charging.

Storage class according to VCI: (11) Flammable solids.

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.

9 Physical and chemical properties

Commercial form:	Moulded plastic part / solid
Colour:	Blue
Flash point:	Not determined
Ignition temperature:	Not determined
Self-igniting solid:	Not determined
Fire-enhancing properties:	Not determined
Density:	1000 kg/m ³
Solubility in water:	Insoluble

10 Stability and reactivity

No decomposition during appropriate use. To avoid thermal decomposition do not overheat.

The thermal decomposition of the product starts at 220°C.

Hazardous fumes: Hydrocarbons, nitrogen oxides, carbon oxides, formaldehyde, aldehydes, alcohols, acids and bases as well as toxic fumes, gases or particles.

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 product to temperatures above 100°C.



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Notes for safe handling: Machining requires good ventilation or extraction systems at the processing machines.

12 Environmentally relevant information

Migration behaviour and behaviour in the ecosystem: The product (plastic moulding) is a water-insoluble solid polymer. 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.

EC Waste key number: The waste keys depend on the intended purpose of the product.

14 Transport information

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

15 Information concerning legal regulations

No compulsory marking according to EU 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.

This is to certify that the above translation from German into English is complete and correct.

Königswinter, 20 June 2013

Sabine Bartsch
Authorized translator
for the Higher Regional Court
of Cologne/Germany

Compiled:	Dr.-Ing. Ralf Selzer / 12.06.2013	Approved:	Peter Spanier	Amended:			F-2-0059-B
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