

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:
CROSSLINKER 200

Chemical name:
Polysiloxanes, di-Me, Me hydrogen, hydrogen-terminated

Additional identification

Chemical name:	Siloxanes and Silicones, di-Me, Me hydrogen, hydrogen-terminated
Chemical formula:	-
INDEX No.	-
CAS-No.	69013-23-6
EC No.	-

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

Identified uses: Industrial Use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name	: Evonik Operations GmbH Rellinghauser Str. 1-11 45128 Essen Germany
Telephone	: +49 201 173 01
Fax	: +49 201 173 3000
E-mail	: productsafety-cs@evonik.com

1.4 Emergency telephone number:

24-Hour Health	: +49 2365 49 2232
Emergency	: +49 2365 49 4423 (Fax)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

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

Not classified

2.2 Label Elements Not applicable

2.3 Other hazards Product contains SiH, may produce hydrogen (extremely flammable gas) when it comes into contact with acids and bases.

SECTION 3: Composition/information on ingredients**Chemical name:**

Polysiloxanes, di-Me, Me hydrogen, hydrogen-terminated

3.1 Substances**General information:** No hazardous ingredients.**Chemical name** Siloxanes and Silicones, di-Me, Me hydrogen, hydrogen-terminated
INDEX No.:
CAS-No.: 69013-23-6
EC No.:
REACH Registration No.: No data available.**SECTION 4: First aid measures****General:** Remove soiled or soaked clothing immediately**4.1 Description of first aid measures****Inhalation:** Ensure supply of fresh air. In the event of symptoms seek medical advice.**Skin Contact:** In case of contact with skin wash off with soap and water. In the event of symptoms seek medical advice.**Eye contact:** In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.**Ingestion:** Thoroughly clean the mouth with water In the event of symptoms seek medical advice.**4.2 Most important symptoms and effects, both acute and delayed:** Up to now no symptoms are known.**4.3 Indication of any immediate medical attention and special treatment needed****Hazards:** No data available.**Treatment:** Treat symptomatically.**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.**Unsuitable extinguishing media:** Full water jet**5.2 Special hazards arising from the substance or mixture:** In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded**5.3 Advice for firefighters****Special fire fighting procedures:** The product can release hydrogen. Explosive mixtures may develop in partially emptied containers.**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. High risk of slipping due to leakage/spillage of product.
6.1.1 For non-emergency personnel:	No data available.
6.1.2 For emergency responders:	No data available.
6.2 Environmental Precautions:	Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.
6.3 Methods and material for containment and cleaning up:	Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.
6.4 Reference to other sections:	For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.
7.2 Conditions for safe storage, including any incompatibilities:	Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Protect from atmospheric moisture and water Keep in a dry place. Do not store together with amines. Do not store together with metals. Do not store with acids or alkalies
7.3 Specific end use(s):	No further recommendations.

SECTION 8: Exposure controls/personal protection
8.1 Control Parameters
Occupational Exposure Limits

None of the components have assigned exposure limits.

DNEL-Values

Remarks: No DNEL/DMEL values on file.

PNEC-Values

Remarks: No PNEC values on file.

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment.

Hand Protection: Additional Information: gloves made of nitril (NBR), gloves made of butyl (IIR)

Skin and Body Protection:	protective clothing
Respiratory Protection:	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
Hygiene measures:	Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product.
Environmental Controls:	The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	Liquid, viscous
Color:	Colorless
Odor:	Slight
Odor Threshold:	not measured
pH:	not measured
Freezing point:	not measured
Boiling Point:	not measured
Flash Point:	> 66 °C
Evaporation Rate:	not measured
Flammability (solid, gas):	not measured
Flammability Limit - Upper (%):	not measured
Flammability Limit - Lower (%):	not measured
Vapor pressure:	not measured
Vapor density (air=1):	not measured
Density:	0,98 g/cm ³ (20 °C)
Relative density:	not measured
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	not measured
Dynamic viscosity:	50 mPa.s (25 °C)

9.2 Other information

Explosive properties:	not measured
Oxidizing properties:	not measured
Minimum ignition temperature:	290 °C
Metal Corrosion:	not measured

SECTION 10: Stability and reactivity

10.1 Reactivity:	see section "Possibility of hazardous reactions"
10.2 Chemical Stability:	The product is stable under normal conditions.

10.3 Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling.
10.4 Conditions to avoid:	None with proper storage and handling.
10.5 Incompatible Materials:	Amines. alkalines Metals acids
10.6 Hazardous Decomposition Products:	Hydrogen.

SECTION 11: Toxicological information**Information on likely routes of exposure**

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

11.1 Information on toxicological effects**Acute toxicity****Oral****Product:** no data available**Dermal****Product:** no data available**Inhalation****Product:** no data available**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation:****Product:** no data available**Serious Eye Damage/Eye Irritation:****Product:** no data available**Respiratory or Skin Sensitization:****Product:** no data available**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.

Carcinogenicity**Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** no data available**Specific Target Organ Toxicity - Repeated Exposure****Product:** no data available**Aspiration Hazard****Product:** Not classified**Other adverse effects:**

The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification".

SECTION 12: Ecological information**12.1 Toxicity****Acute toxicity****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Chronic Toxicity****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants**

Product: No data available.

12.2 Persistence and Degradability

Biodegradation Product: No data available.

BOD/COD Ratio Product: No data available.

12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects: The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : For USA only: This product is not regulated in packages < 119 gallons / 450 L. In bulk packages this products is a Combustible Liquid, NA1993.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

National Regulations

15.2 Chemical safety assessment: No chemical safety assessment was carried out for this product.

International regulations

SECTION 16: Other information

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN** - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW** - Occupational exposure limit; **ASTM** - American Society for Testing and Materials; **AwSV** - Ordinance on facilities for handling substances that are hazardous to water; **BSB** - Biochemical oxygen demand; **c.c.** - closed cup; **CAS** - Chemical Abstract Services; **CESIO** - European Committee of Organic Surfactants and their Intermediates; **CSB** - Chemical oxygen demand; **DMEL** - Derived minimum effect level; **DNEL** - Derived no effect level; **EbC50** - median concentration in terms of reduction of growth; **EC** - Effective concentration; **EINECS** - European Inventory of Existing Commercial Chemical Substances; **EN** - European norm; **ErC50** - median concentration in terms of reduction of growth rate; **GGVSEB** - German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee** - German ordinance for sea transportation of dangerous goods; **GLP** - Good Laboratory Practice; **GMO** - Genetic Modified Organism; **IATA** - International Air Transport Association; **ICAO** - International Civil Aviation Organization; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organization For Standardization; **LD/LC** - lethal dose/concentration; **LOAEL** - Lowest observed adverse effect level; **LOEL** - Lowest observed effect level; **M-Factor** - multiplying factor; **NOAEL** - No observed adverse effect level; **NOEC** - no observed effect concentration; **NOEL** - no observed effect level; **o.c.** - open cup; **OECD** - Organisation for Economic Cooperation and Development; **OEL** - Occupational Exposure Limit; **PBT** - Persistent, bioaccumulative, toxic; **PNEC** - Predicted no effect concentration; **REACH** - REACH registration; **RID** - Convention concerning International Carriage by Rail; **SVHC** - Substances of Very High Concern; **TA** - Technical Instructions; **TRGS** - Technical Rules for Hazardous Substances; **vPvB** - very persistent, very bioaccumulative; **WGK** - Water Hazard Class

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3: none

Training information: Comply with national laws regulating employee instruction.

SDS No.:

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