

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 6 Jun 2023

Print date: 17 Jul 2023

Version: 1

**POLIGRAT**  
DEUTSCHLAND GMBH



## MoCheck 304/316 Fluid 2

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

#### 1.1. Product identifier

Trade name/designation:

**MoCheck 304/316 Fluid 2**

Article No.:

CHI7200-2

UFI:

F285-F4A6-YP76-P1JS

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

Use of the substance/mixture:

analytical chemical  
Reagents and laboratory chemicals  
The product is intended for professional use.

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer:

**Poligrat Deutschland GmbH**

Abteilung Chemie  
Valentin-Linhof-Str. 19  
81929 München  
Germany

**Telephone:** +49 (89) 42778-0

**Telefax:** +49 (89) 42778-309

**E-mail:** info@poligrat.de

**Website:** www.poligrat.de

**E-mail (competent person):** sdb@poligrat.de

#### 1.4. Emergency telephone number

Bispebjerg Hospital  
- www.bispebjerghospital.dk -  
Danish Poison Center (Giftlinjen), 24h: +45 82 12 12 12

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals ( <i>Met. Corr. 1</i> )	H290: May be corrosive to metals.	On basis of test data.
Skin corrosion/irritation ( <i>Skin Corr. 1</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	Calculation method.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS05**  
Corrosion



**GHS07**  
Exclamation mark

**Signal word:** Danger

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### Hazard components for labelling:

iron trichloride; hydrogen chloride; Silicic acid, sodium salt

#### Hazard statements for physical hazards

H290	May be corrosive to metals.
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#### Hazard statements for health hazards

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

### Supplemental hazard information: none

#### Precautionary statements Prevention

P260	Do not breathe vapours and spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing and eye/face protection.

#### Precautionary statements Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363	Wash contaminated clothing before reuse.

### 2.3. Other hazards

#### Adverse environmental effects:

Does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7647-01-0 EC No.: 231-595-7 Index No.: 017-002-01-X REACH No.: 01-2119484862-27-XXXX	<b>hydrogen chloride</b> STOT SE 3 (H335), Skin Corr. 1B (H314) ⚠️ Danger <b>Specific concentration limit (SCL)</b> Skin Corr. 1B; H314: $C \geq 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$ Eye Dam. 1; H318: $C \geq 25\%$ Eye Irrit. 2; H319: $10\% \leq C < 25\%$ STOT SE 3; H335: $C \geq 10\%$	10 - < 25 weight-%
CAS No.: 7705-08-0 EC No.: 231-729-4 REACH No.: 01-2119497998-05	<b>iron trichloride</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) ⚠️ Danger	1 - < 10 weight-%
CAS No.: 1344-09-8 EC No.: 215-687-4	<b>Silicic acid, sodium salt</b> Eye Irrit. 2 (H319), STOT SE 3 (H335), Skin Irrit. 2 (H315) ⚠️ Warning	1 - < 10 weight-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

Remove victim out of the danger area. Remove contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

Immediate medical treatment required because corrosive injuries that are not treated are hard to cure. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

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### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### Following ingestion:

Do NOT induce vomiting. Rinse out mouth and give plenty of water to drink. Get immediate medical advice/attention.

### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation. Serious eye damage/eye irritation.

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

Treat symptomatically. Forward this sheet to the doctor.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media:

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic, Corrosive. Hydrogen chloride (HCl).

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire residues and contaminated firefighting water must be disposed in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Special danger of slipping by leaking/spilling product.  
Remove persons to safety.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

##### Emergency procedures:

Provide adequate ventilation. Keep people away. Stay on the upwind side.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### For cleaning up:

Water (with cleaning agent)

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Ensure adequate ventilation on workstation.

#### Fire prevent measures:

No special measures are necessary.

#### Advices on general occupational hygiene

Wash hands before breaks and after work. Use barrier skin cream. Take off contaminated clothing and wash it before reuse. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels:

Keep/Store only in original container. Provide acid-resistant floor.

#### Hints on storage assembly:

Do not store with alkalies.

**Storage class (TRGS 510, Germany):** 8B - Non-combustible corrosive substances

### 7.3. Specific end use(s)

#### Recommendation:

See subsection 1.2, use of the substance/mixture. See product information. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DK from 28 Jun 2022	<b>hydrogen chloride</b> CAS No.: 7647-01-0 EC No.: 231-595-7	② 5 ppm (8 mg/m <sup>3</sup> ) ⑤ E
IOELV (EU)	<b>hydrogen chloride</b> CAS No.: 7647-01-0 EC No.: 231-595-7	① 5 ppm (8 mg/m <sup>3</sup> ) ② 10 ppm (15 mg/m <sup>3</sup> ) ⑤ (Hydrogen chloride)

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>hydrogen chloride</b> CAS No.: 7647-01-0 EC No.: 231-595-7	8 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
<b>hydrogen chloride</b> CAS No.: 7647-01-0 EC No.: 231-595-7	15 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
iron trichloride CAS No.: 7705-08-0 EC No.: 231-729-4	2.8 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects

Substance name	PNEC Value	① PNEC type
hydrogen chloride CAS No.: 7647-01-0 EC No.: 231-595-7	0.036 mg/L	① PNEC aquatic, freshwater
hydrogen chloride CAS No.: 7647-01-0 EC No.: 231-595-7	0.036 mg/L	① PNEC aquatic, marine water
hydrogen chloride CAS No.: 7647-01-0 EC No.: 231-595-7	0.036 mg/L	① PNEC sewage treatment plant
hydrogen chloride CAS No.: 7647-01-0 EC No.: 231-595-7	0.045 mg/L	① PNEC aquatic, intermittent release

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Eye glasses with side protection. Tightly fitting goggles (EN 166:2001)

##### Skin protection:

Hand protection: Tested protective gloves must be worn (EN ISO 374).

Suitable material: 0,7 mm Butyl caoutchouc (butyl rubber) Breakthrough time: >480 min

The details concerned are recommendations. Please contact the glove supplier for further information.

Body protection: Acid-resistant protective clothing.

##### Respiratory protection:

Respiratory protection necessary at: aerosol or mist formation, high concentrations.

Suitable respiratory protection apparatus: short-term Full-/half-/quarter-face masks (EN 136/140) Filter type: E-P2 / ABEK-P2 (EN 14387).

##### Other protection measures:

Avoid contact with skin, eyes and clothes.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

#### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

Ensure adequate ventilation on workstation.

Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** dark yellow

**Odour:** acidic

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### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	1 - 2		① 10 g/L
Melting point	<i>not determined</i>		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	<i>not determined</i>		
Decomposition temperature	<i>not determined</i>		
Flash point	<i>not determined</i>		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	<i>not determined</i>		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	1.2 - 1.25 g/cm <sup>3</sup>	20 °C	
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	partially miscible		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known when used in accordance with instructions. May be corrosive to metals. The product itself does not burn.

### 10.2. Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3. Possibility of hazardous reactions

Avoid contact with strong alkalis (strong exothermic reactions).

### 10.4. Conditions to avoid

Strong heating.

### 10.5. Incompatible materials

May be corrosive to metals.

Do not use acid sensitive materials.

### 10.6. Hazardous decomposition products

No decomposition for intended use. Warning! Do not use together with other products. May release dangerous gases (chlorine). Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicological information

Acute Toxicity Estimate for Mixtures	
ATE (oral):	>2,000 mg/kg
ATE (dermal):	>2,000 mg/kg
ATE (inhalation, vapour):	>20 mg/L
hydrogen chloride	CAS No.: 7647-01-0 EC No.: 231-595-7
LD <sub>50</sub> dermal:	>5,000 mg/kg (Rabbit)

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<b>iron trichloride</b> CAS No.: 7705-08-0 EC No.: 231-729-4
<b>LD<sub>50</sub> oral:</b> 500 mg/kg (Rat) OECD TG 423
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat) OECD TG 402
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >1.1 mg/L (Rat) EPA OPP 81-3
<b>Silicic acid, sodium salt</b> CAS No.: 1344-09-8 EC No.: 215-687-4
<b>LD<sub>50</sub> oral:</b> 3,400 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >2.06 mg/L (Rat)

### Acute oral toxicity:

Based on available data, the classification criteria are not met.

### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

### Serious eye damage/irritation:

Causes serious eye damage.

### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity:

Based on available data, the classification criteria are not met.

### Reproductive toxicity:

Based on available data, the classification criteria are not met.

### STOT-single exposure:

May cause respiratory irritation.

### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### Aspiration hazard:

Based on available data, the classification criteria are not met.

### Additional information:

No data available

## 11.2. Information on other hazards

### Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>hydrogen chloride</b> CAS No.: 7647-01-0 EC No.: 231-595-7
<b>LC<sub>50</sub>:</b> 24.6 mg/L 4 d (fish, <i>Lepomis macrochirus</i> (Bluegill))
<b>EC<sub>50</sub>:</b> 0.492 mg/L 2 d (crustaceans, <i>Daphnia magna</i> (Big water flea))
<b>EC<sub>50</sub>:</b> 0.78 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> )
<b>iron trichloride</b> CAS No.: 7705-08-0 EC No.: 231-729-4
<b>LC<sub>50</sub>:</b> 20.3 mg/L 4 d (fish, <i>Lepomis macrochirus</i> (Bluegill))
<b>EC<sub>50</sub>:</b> 9.6 mg/L 2 d (crustaceans, <i>Daphnia magna</i> (Big water flea))
<b>Silicic acid, sodium salt</b> CAS No.: 1344-09-8 EC No.: 215-687-4
<b>LC<sub>50</sub>:</b> 1,108 mg/L 4 d (fish, <i>Brachydanio rerio</i> )
<b>EC<sub>50</sub>:</b> 1,700 mg/L 2 d (crustaceans, <i>Daphnia magna</i> (Zebraabbling))

### Effects in sewage plants:

The product is an acid. Before discharge into sewage plants the product normally needs to be neutralised.

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### 12.2. Persistence and degradability

**hydrogen chloride** CAS No.: 7647-01-0 EC No.: 231-595-7

**Biodegradation:** not applicable

**Remark:** Not applicable for inorganic substances.

**iron trichloride** CAS No.: 7705-08-0 EC No.: 231-729-4

**Biodegradation:** not applicable

### 12.3. Bioaccumulative potential

**hydrogen chloride** CAS No.: 7647-01-0 EC No.: 231-595-7

**Log K<sub>ow</sub>:** -0.25

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**hydrogen chloride** CAS No.: 7647-01-0 EC No.: 231-595-7

**Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**iron trichloride** CAS No.: 7705-08-0 EC No.: 231-729-4

**Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**Silicic acid, sodium salt** CAS No.: 1344-09-8 EC No.: 215-687-4

**Results of PBT and vPvB assessment:** –

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

11 01 05 \* pickling acids

\*: Evidence for disposal must be provided.

##### Directive 2008/98/EC (Waste Framework Directive)

HP 8 Corrosive

##### Remark:

Hazardous waste according to Directive 2008/98/EC (waste framework directive). The waste code mentioned is a recommendation.

##### Waste code packaging

15 01 10 \* packaging containing residues of or contaminated by dangerous substances

\*: Evidence for disposal must be provided.

##### Remark:

The waste code mentioned is a recommendation.

##### Waste treatment options

##### Appropriate disposal / Product:

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.



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### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 1789	UN 1789	UN 1789	UN 1789
<b>14.2. UN proper shipping name</b>			
HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 520 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> C1 <b>Tunnel restriction code:</b> (E) <b>Remark:</b> Transport category 2	<b>Special Provisions:</b> 520 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Classification code:</b> C1	<b>Special Provisions:</b> - <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>EmS-No.:</b> F-A, S-B <b>Remark:</b> IMDG-Code segregation group 1 - Acids	<b>Special Provisions:</b> A3 <b>Limited quantity (LQ):</b> Y840 <b>Excepted Quantities (EQ):</b> E2

### 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Authorisations:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
REACH, Annex XIV (SVHC list): Contains none or less than 0.1% of the listed substances.

###### Restrictions on use:

For use in industrial installations and professional treatment only.  
Use restriction according to REACH annex XVII, no.: 3, 75

###### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.  
Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]  
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work  
Directive 2011/65/EU (RoHS 2): Not listed  
Council Directive 91/689/EEC of 12 December 1991 on hazardous waste  
Regulation (EG) No. 1272/2008 (CLP)  
Regulation (EG) No. 1907/2006 (REACH)  
Regulation (EC) 2019/1021 [POP Regulation]: Not listed

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### 15.1.2. National regulations

#### [DK] National regulations

#### Other regulations, restrictions and prohibition regulations

Observe employment restrictions for young people.

Observe employment restrictions for mothers-to-be and nursing mothers.

VOC content: 0%

### 15.2. Chemical Safety Assessment

not applicable

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Threshold Limit Value
AOX	Adsorbable Organic halogen compounds
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic, toxic for Reproduction
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IBC	Intermediate Bulk Container
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substance Control Act
VOC	Volatile organic compounds
vPvB	very persistent, very bioaccumulative
ABEK-NO-CO/E-P2/B-P2/A-P2:	combination filter for organic, inorganic and acid gases, carbon monoxide (CO) and nitrogen oxides (NO) / particels (P)
AVV/EWC:	European Waste Catalogue
AwSV:	the German Ordinance on Installations for the Handling of Substances Hazardous to Water
BG RCI:	German professional association of raw materials and chemical industry
BLV (EU):	Biological Limit Values
DFG:	Deutsche Forschungsgemeinschaft / German Research Foundation
EAK/EWC:	see AVV/EWC
EQ:	Excepted Quantity
EU/EG/EWG:	European Union / European Community (EC) / European Economic Community (EEC)
ICAO-TI/IATA-DGR:	Technical Instructions For The Safe Transport of Dangerous Goods by Air / International Air Transport Association Dangerous Goods Regulations

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 6 Jun 2023

Print date: 17 Jul 2023

Version: 1

**POLIGRAT**  
DEUTSCHLAND GMBH



## MoCheck 304/316 Fluid 2

IOELV: Indicative Occupational Exposure Limit Values

LQ: Limited Quantity

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

N.O.S.: Not otherwise specified

ppm: parts per million

RoHS: Restriction of Hazardous Substances in electrical and electronic equipment

UFI: Unique Formula Identifier

UN: United Nations, herein as UN numbers.: identification numbers for hazardous substances in the framework of international transportation

US EPA: United States Environmental Protection Agency

WGK: German water hazard class

WHG: German Water Resources Act

### 16.3. Key literature references and sources for data

The information used for creation of this safety data sheet are obtained by information of our suppliers and data from the database of registered substances of the European Chemicals Agency (ECHA).

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals ( <i>Met. Corr. 1</i> )	H290: May be corrosive to metals.	On basis of test data.
Skin corrosion/irritation ( <i>Skin Corr. 1</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	Calculation method.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### 16.6. Training advice

The employees must be instructed regularly based on information in this safety data sheet and the specific conditions of the workplace on the safe handling and storage of products. National regulations for instruction of employees on handling of hazardous substances must be observed.

### 16.7. Additional information

The receiver of our products is responsible for compliance with all applicable laws and regulations.