

Safety Data Sheet

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

Revision date 06.03.18
(replaces previous issue)
Print date: 09.08.18

page: 1 / 7

ISOPOL 230-3000

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

1.1 Product identifier

ISOPOL 230-3000

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

Use:

Binder for coating materials or adhesives

1.3 Details of the supplier of the safety data sheet

ISO-ELEKTRA Elektrochemische Fabrik GmbH

Im Mühlenfeld 5

Tel.: +49 5068 / 925-0

D - 31008 Elze

Fax: +49 5068 / 925-25

email: sdb@iso-elektra.de

1.4 Emergency telephone number

contact supplier

or the next toxic information center e.g.:

Berlin

Tel.: **49-30-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: None

Hazard pictograms: None

Signal word: None

Hazard statements: None

2.3 Other hazards None

SECTION 3: Composition/information on ingredients

3.1 Substance

Components:

Polyols, Minerals and Additives

Hazardous impurities: none

SECTION 4: First aid measures

4.1 Description of first aid measures

Safety Data Sheet

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

Revision date 06.03.18
(replaces previous issue)
Print date: 09.08.18

page: 2 / 7

ISOPOL 230-3000

General advice: Take note of the following instructions

If inhaled: No measures to be taken.

In case of skin contact: Remove contaminated clothing and wash affected skin with soap and water.

In case of eye contact: Rinse immediately with plenty of water for at least 15 minutes and seek immediately medical advice.

If swallowed: Seek immediately medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide, sand or earth.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for fire-fighters

Wear personal protective equipment.

No special measures required.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate contaminated area thoroughly. Minimise contact with skin.

6.2 Environment related measures

Prevent further leakage or spillage and prevent from entering drains. Install appropriate barriers.

6.3 Methods and material for containment and cleaning up

Absorb with sand or other readily absorbent. Shovel into suitable, clearly marked container for disposal according to local regulations.

6.4 Reference to other sections

For further disposal measures see section 13.

Safety Data Sheet

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

Revision date 06.03.18
(replaces previous issue)
Print date: 09.08.18

page: 3 / 7

ISOPOL 230-3000

SECTION 7: Handling and storage

7.1 Precautions for safe handling

When using do not eat or drink. When handling use protective glasses.

Prevent spillages.

7.2 Conditions for safe storage, including any incompatibilities

No special requirements.
Store away from foodstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No further relevant information available

8.2 Exposure controls

Respiratory protection

Not normally required.

Hand protection

Suitable materials for safety gloves; EN 374:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$. Butyl

rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$. Fluorinated

rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Recommendation: contaminated gloves should be disposed of.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid	
Colour:	Beige or colored	
Odour:	Odourless	
Odour Threshold:	Not applicable	
pH:	No information available	
Melting point/melting range:	$< -10\text{ °C}$	DIN ISO 3016
Boiling point/boiling range:	Undetermined	
Flash point:	$> 180\text{ °C}$	DIN ISO 2592
Evaporation rate:	No information available	
Flammability (solid, gas):	No information available	
Burning number:	No information available	
Vapour pressure:	2 mbar / 20 °C 9 mbar / 50 °C	

Safety Data Sheet

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

Revision date 06.03.18
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Print date: 09.08.18

page: 4 / 7

ISOPOL 230-3000

Vapour density:	No information available	
Density:	0.98 g/cm ³	DIN 51757 D
Miscibility with water:	negligible	
Surface tension:	not established	
Partition coefficient (n-octanol/water):	not established	
Auto-ignition temperature:	not applicable	
Ignition temperature:	420 °C	
Decomposition temperature:	not established	
Viscosity, dynamic:	app. 3000 mPa s / 20 °C	
Explosive properties:	none	

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal use conditions.

10.2 Chemical stability

No decomposition if used according to specification.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Strong oxidising agents.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal handling and storage.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity, oral

LD50 rat, male/female: > 5.000 mg/kg

Acute toxicity, dermal

No information available

Acute toxicity, inhalation

No information available

Primary skin irritation

Slight irritation after repeated contact possible.

Safety Data Sheet

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

Revision date 06.03.18
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Print date: 09.08.18

page: 5 / 7

ISOPOL 230-3000

Primary eye irritation

Irritation.

Sensitisation

Not known.

Carcinogenicity

Not determined.

Reproductive toxicity/Fertility

Not known.

Reproductive toxicity/Teratogenicity

Not known.

Additional information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

12.1 Toxicity

Acute Fish toxicity

Not known.

Acute toxicity for daphnia

Not known.

Acute toxicity for algae

Not known

12.2 Persistence and degradability

Product is biodegradable.

12.3 Bioaccumulative potential

No Bioaccumulation

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No further information available

12.6 Other adverse effects

No further information available

SECTION 13: Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Safety Data Sheet

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Revision date 06.03.18
(replaces previous issue)
Print date: 09.08.18

page: 6 / 7

ISOPOL 230-3000

SECTION 14: Transport information

ADR/RID

14.1 UN number : Not dangerous goods
14.2 UN proper shipping name : Not dangerous goods
14.3 Transport hazard class(es) : Not dangerous goods
14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods

ADN

14.1 UN number : Not dangerous goods
14.2 UN proper shipping name : Not dangerous goods
14.3 Transport hazard class(es) : Not dangerous goods
14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods

ADN (tanker only)

14.1 UN number : Not dangerous goods
14.2 UN proper shipping name : Not dangerous goods
14.3 Transport hazard class(es) : Not dangerous goods
14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods

IATA

14.1 UN number : Not dangerous goods
14.2 UN proper shipping name : Not dangerous goods
14.3 Transport hazard class(es) : Not dangerous goods
14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods

IMDG

14.1 UN number : Not dangerous goods
14.2 UN proper shipping name : Not dangerous goods
14.3 Transport hazard class(es) : Not dangerous goods
14.4 Packing group : Not dangerous goods
14.5 Environmental hazards : Not dangerous goods

14.6 Special precautions for user

See section 6 - 8.

Additional information : Not dangerous cargo.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

Water contaminating class (Germany)

NWG (Not hazardous to waters.)

15.2 Chemical Safety Assessment

Not necessary.

Safety Data Sheet

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Revision date 06.03.18
(replaces previous issue)
Print date: 09.08.18

page: 7 / 7

ISOPOL 230-3000

SECTION 16: Other information

Further information

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.