Article information sheet (AIS)

Product name MOC/MOC PTFE
Item number: 82010, 82011

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Article information

Description: Air electrode MOC
Delivery form: The catalyst mass is firmly pressed into a nickel mesh.
Article 82010: MOC without PTFE film
Article 82011: MOC with gas permeable, non-conductive PTFE film
Use: Air electrode for scientific research & development and industrial use e.g. in batteries, fuel cells, electrolysers

Supplier

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Composition/information on ingredients

Component	Classification	H phrases
Catalyst contains: Mangan dioxide 	Acute toxicity, category 4, swallowing Acute toxicity, category 4, inhalation Specific target organ toxicity (repeated exposure), category 2;	H302 H332 H373

H302+H332 Harmful if swallowed or inhaled
H373i May damage the brain by prolonged or repeated exposure through inhalation

Other non-hazardous ingredients: polytetrafluoroethylene, carbon

First-aid measures

After eye contact: Rinse the eye under running water for 10 minutes with the eyelids wide open, protecting the uninjured eye. Ensure medical treatment.
After skin contact: Wash affected skin areas thoroughly under running water with soap. In case of subjectively felt or objectively recognisable skin changes, seek medical treatment.
After inhalation: Supply fresh air.

Fire-fighting measures

Suitable extinguishing media: Adjust extinguishing measures to the environment.
Special hazards arising from the substance or mixture: In case of fire (environmental fire) harmful decomposition products and hydrogen fluoride may be released.

Handling and storage

Pay attention to cleanliness in the workplace.
All rooms, installations and equipment must be cleaned regularly. Use personal protective equipment when cleaning. Avoid dust formation.
Store under lock and key or only accessible to competent persons.

Personal protection

Do not eat, drink or smoke at work. Do not inhale dust. Keep away from food, drink and feed.
Avoid contact with the skin. Skin cleaning is necessary after substance contact. Wash skin with soap and water before breaks and at the end of work.

Recommended hand protection:

We currently have no information about suitable glove materials.
However, experience shows that the glove materials polychloroprene, nitrile rubber, butyl rubber, fluororubber and polyvinyl chloride are suitable for protection against undissolved solids.

Stability and reactivity

The product is not water soluble.
No dangerous reactions are to be expected when used as intended.
Under normal conditions the product is chemically stable.

Toxicological information

Toxicological studies with the mixture are not available.
For manganese dioxide applies: May damage the brain by prolonged or repeated exposure through inhalation

Environmental information

Avoid release into the environment.

Disposal considerations

Product residues must be disposed of in accordance with national and regional regulations.

Transport information

Not relevant.

Other provisions

Observe employment restrictions for expectant and nursing mothers.
Observe employment restrictions for young people.

A chemical safety assessment was not carried out.