

*Safety data sheet
according to 1907/2006/EC, Article 31*

Printing date 11.09.2012

Version number 3

Revision: 11.09.2012

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

- **Product identifier**
- **Trade name: Curatech SP 112**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet** Email adress: Ralf.Giebmanns@peerenergy.de
- **Manufacturer/Supplier:**
PEER Energy GmbH
An der Niers 27
D - 47608 Geldern (Germany) Fon: 02831-39 59 50 50
- **Further information obtainable from:**
Department of laboratory.
Data-leaf for med. Serves available under: Phone s. address
- **Emergency telephone number:** Department of laboratory.

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 7722-88-5 EINECS: 231-767-1	tetrasodium pyrophosphate substance with a Community workplace exposure limit	25-50%
CAS: 10101-89-0 EINECS: 231-509-8	Trinatriumphosphat Xi R36/37/38	2.5-10%
	Alkylpolyalkylenglykolether (Polymer) Xi R38-41	< 2.5%
	Fettalkoholalkoxylat Xi R38; N R50	< 2.5%

(Contd. on page 2)

*Safety data sheet
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(Contd. of page 1)

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Adjust to environment-fire
Wear full protective clothing.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Damp down dust with water spray.
If larger amounts are released: Inform competent authority.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up mechanically.
Pick up mechanically without making dust.
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

*Safety data sheet
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(Contd. of page 2)

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Keep receptacles tightly sealed.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe regulation.
Store well closed in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from humidity and water.
- **Storage class:** 10 or 12 (VCI - Concept, 2007, Guide for storing chemicals)
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

7722-88-5 tetrasodium pyrophosphate

WEL | Long-term value: 5 mg/m³

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale dust / smoke / mist.
Do not eat or drink while working.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Butyl rubber, BR
Nitrile rubber, NBR
Natural rubber, NR
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed goggles
- **Body protection:**
Standard work clothing. Chemical resistant safety shoes or boots. If you experience skin contact may, for this mix / solution protective clothing impervious.

(Contd. on page 4)

*Safety data sheet
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(Contd. of page 3)

9 Physical and chemical properties

- *Information on basic physical and chemical properties*
- *General Information*
- *Appearance:*
 - *Form:* Solid
 - *Colour:* White
- *Odour:* Recognizable
- *Odour threshold:* Not determined.
- *pH-value (10 g/l) at 20°C:* ca. 11.5
- *Change in condition*
 - *Melting point/Melting range:* Undetermined.
 - *Boiling point/Boiling range:* Undetermined.
- *Flash point:* Not applicable.
- *Flammability (solid, gaseous):* Not determined.
- *Ignition temperature:*
 - *Decomposition temperature:* Not determined.
- *Self-igniting:* Product is not selfigniting.
- *Danger of explosion:* Product does not present an explosion hazard.
- *Vapour pressure:* Not applicable.
- *Density:* Not determined.
- *Relative density* Not determined.
- *Vapour density* No further information available.
- *Evaporation rate* Not applicable.
- *Solubility in / Miscibility with water:* Soluble.
- *Partition coefficient (n-octanol/water):* Not determined.
- *Viscosity:*
 - *Dynamic:* Not determined.
 - *Kinematic:* Not applicable.
- *Other information* No further relevant information available.

10 Stability and reactivity

- *Reactivity*
- *Chemical stability* Stable under recommended storage conditions
- *Thermal decomposition / conditions to be avoided:* No decomposition if used and stored according to specifications.
- *Possibility of hazardous reactions* No dangerous reactions known.
- *Conditions to avoid* No further relevant information available.
- *Incompatible materials:* strong oxidizing agents
- *Hazardous decomposition products:* No dangerous decomposition products known.

11 Toxicological information

- *Information on toxicological effects*
- *Acute toxicity:*
- *Primary irritant effect:*
- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.

(Contd. on page 5)

*Safety data sheet
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(Contd. of page 4)

- **Sensitization:** No sensitizing effects known.
- **Repeated dose toxicity** No further relevant information available.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Other information:**
As the demands of the tensid-regulation, to the cleaner-law, the product is over 90 % biodegradable.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Other information:** Phosphates contribute to eutrophication in stagnant water.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.
- **Waste disposal key:** -
- **European waste catalogue**
The allocation of waste key numbers from EWC have to carry out industry-and process-specific
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No

(Contd. on page 6)

*Safety data sheet
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(Contd. of page 5)

- *Special precautions for user* Not applicable.
- *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code* Not applicable.

15 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *Labelling according to EU guidelines:*
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- *Special labelling of certain preparations:*
Safety data sheet available for professional user on request.
- *National regulations:*
- *Waterhazard class:* Water hazard class 1: slightly hazardous for water.
- *Chemical safety assessment:* A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- *Relevant phrases*
R36/37/38 Irritating to eyes, respiratory system and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
- *Department issuing MSDS:* see Section 1: Manufacturer / Supplier
- *Contact:* Herr Ralf Giebmanns

GB