



1.0 IDENTIFICATION Trufloc® SHWE10  
Recommended use of the chemical and restrictions on use

The preparation is used for the treatment of industrial waste water (effluent).

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2.0 HAZARD IDENTIFICATION

GHS label elements including precautionary statements This product is not classed as hazardous in accordance with Regulation EC No 1272/2008.  
Other hazards Spills will produce extremely slippery surfaces in case of contact with water.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description

Amphoteric acrylamide copolymer in aqueous dispersion.

Name Concentration CAS# EINECS# CLP Classification

4.0 FIRST AID MEASURES

Inhalation In case of trouble go to the open air.  
Ingestion Do not induce vomiting without medical advice. If conscious washout mouth and give one glass of water to drink. Get medical assistance.  
Skin contact Remove the maximum amount of product by using absorbent paper and then rinse with plenty of water. In case of persistent irritation get medical advice.  
Eye contact Rinse thoroughly with plenty of water, also under eyelids, at least for 15 minutes. Get medical assistance. It is necessary to have a safety shower in the work area.  
Protection equipment Beware of possible existing spills of product.  
Most important symptoms and effects, both acute and delayed Inhalation: None expected.  
Ingestion: Gastrointestinal discomfort. Repeated ingestion of the

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To the best of our knowledge, the information contained herein is accurate. However, neither the named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



Indication of any immediate medical attention and special treatment needed.

product is considered highly unlikely route of exposure if working in adequate sanitary and hygiene conditions.  
Skin contact: None expected.  
Eyes contact: It causes itching and redness.  
Treat symptomatically. The main product ingredients are water, cationic polymer (soluble in water) and salt.

5.0 FIRE-FIGHTING MEASURES

Suitable extinguishing media  
Unsuitable extinguishing media  
Special hazards arising from the substance or mixture

Water, water spray, dry powder, carbon dioxide (CO2), foam.  
None.  
Under fire conditions thermal decomposition may produce: HCl, NH3, nitrogen oxides (NOx), carbon oxides (COx) and sulfur oxides (SOx).

Advise for fire-fighters

In case of fire wear self-breathing apparatus and protective suit.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures  
Environmental precautions

Do not step on the spill and avoid contact with water. The affected area, in contact with water, will become extremely slippery.

Avoid the ground to be contaminated, natural water courses and wastewater drainage. If contamination occurs inform the corresponding authorities immediately.

Methods and materials for containment and cleaning up

For small spills use inert absorbent materials and remove with a shovel; then flush the affected area with pressured water. For large spills contain them with absorbent material and pump out the product to adequate containers; then flush the affected area with pressured water.

7.0 HANDLING AND STORAGE

Precautions for safe handling

We recommend handling the product in a well-ventilated area. Ensure you have a safety shower and eye wash fountain available. Keep absorbent material as a precaution against spills. Use normal personal hygiene and housekeeping measures when handling any chemical product.

Conditions for safe storage, including any incompatibilities

Maximum temperature: 40 °C.  
Maximum temperature: 35 °C.

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Minimum temperature: -5 °C.  
 Recommended temperature range: 10 - 30 °C.  
 Avoid extreme temperatures (below "Minimum temperature" and above "Maximum temperature"). Keep in a covered place, with the drum well closed and within the "Recommended temperature range". On long storage periods at low temperatures (see "Critical temperature range") the product may undergo an emulsion degradation process. If this occurs we recommend mixing the product and moving it to a warmer storage zone. Direct sunlight may provoke slight product coloration and / or coloured spots on its surface, which does not mean any degradation.

## 8.0 CONTROLS/PERSONAL PROTECTION EXPOSURE

Control parameters	This product (preparation) does not contain any ingredient with a professional exposure limit and / or biological exposure indices (TLV, BEI) established.
Collective protection	Natural ventilation is adequate in open areas. Provide mechanical ventilation in confined spaces.
Hygiene measures	Wash hands and body areas exposed to the product before drinking, eating, using the facilities and at the end of the work period. Take off contaminated clothing and wash before reuse.
Eye protection	Safety glasses with side-shields.
Hands skin protection	Use latex gloves or natural rubber gloves.
Body skin protection	Use a chemical resistant apron or full protective equipment depending on the handling level and contact risks with the product and its dissolutions.
Respiratory protection	Not necessary under normal conditions provided there is good ventilation.
Additional protection	A safety shower and eyewash should always be provided in the area where the product is handled.
Environmental exposure controls	Avoid letting spills contaminate the ground, surface water and / or the sewer system.

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White milky liquid.
Odour	Salty odour.
Odour threshold	Perceptible only if you are very close to the product.

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pH	2.5 – 4.5
Boiling point	100 ° C approx.
Melting point / range	- 10 ° C approx.
Flash point	Not applicable. Water-based product.
Inflammability	Non inflammable.
Explosive properties	Not applicable. Water-based product.
Autoignition temperature	> 200 ° C
Decomposition temperature	> 150 ° C
Explosive limits	Not applicable. Water-based product.
Oxidizing properties	Not applicable. Water-based product.
Relative density	1.2 g/cm <sup>3</sup> .
Vapour pressure @ 20 ° C	Not evaluated.
Vapour density	Not evaluated.
Evaporation speed	Not evaluated.
n-octanol / water partition coefficient	Not evaluated.
Viscosity	< 2000 cp
Solubility(ies)	Water soluble. Solutions for concentrations above 3% become very viscous. Product solubility limit depend on dissolution conditions (concentration, pH, temperature, preparation system - agitation).

#### 10.0 STABILITY AND REACTIVITY

Reactivity	There may be a risk of water contamination of the product during handling and use. Water or water-based products, will dissolve partially and imperfectly the product, and may cause it to be very difficult to use in the application (gel formation, clogged pipes and pumps).
Chemical stability	Product is stable. Some slightly separation may occur. It doesn't mean the product is damaged; you can easily recover it to its original state by agitation. Condensation can form gel particles on the surface of the product which may acquire a yellow tone in contact with light.
Possibility of hazardous reactions	No risk of explosion of polymerization or inflammation on contact with air, even at high temperatures (< 100 ° C) and in the presence of ignition sources.
Conditions to avoid	None for safety reasons.
Incompatible materials	Strong bases may provoke ammonia vapours.
Hazardous composition products	None under normal conditions.
Additional information	As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

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11.0 TOXICOLOGICAL INFORMATION

Acute toxicity	Oral: Rats, LD50 > 7500 mg/Kg - Data for a very similar product.
Acute toxicity	Dermal: Rabbit, LD50: Not available.
Acute toxicity	Inhalation: The product is not expected to be toxic by inhalation.
Skin corrosion / irritation	Rabbits (Draize test): Not irritant - Data for a very similar product.
Sever eye injuries / irritation	Rabbits (Draize test): Not irritant - Data for a very similar product.
Respiratory or skin sensitization	This product is not expected to be sensitizing.
Carcinogenicity	No information available.
Germ cell mutagenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ toxicity (STOT) single exposure	No information available.
Specific target organ toxicity (STOT) repeated exposure	No information available.
Aspiration hazard	No aspiration hazard is expected in normal use.
Information on likely routes of exposure	Skin and / or eye contact. Prolonged eye contact may cause temporary irritation. Flush eyes immediately.
Symptoms related to the physical, chemical and toxicological characteristics	No symptoms expected if the product is properly handled.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	No effects whatsoever related to exposure to the product are known.
Interactive effects	No information available.
Mixtures: toxicological information	No information available.
Information regarding mixing ingredients (substances)	No additional hazard is expected owing to the blend of the constituent ingredients of this product.
Additional information	Through our experience and according to the information available, the product is not harmful to health if handled correctly according to the recommendations given.

12.0 ECOLOGICAL INFORMATION

Aquatic ecotoxicity	Acute toxicity (LC50, fish): CL50 (96h, Danio rerio): 1 - 10 mg/li. Data for a representative polymer. Acute aquatic toxicity (LC50, crustacea): EC50 (48 h, Daphnia magna): 10 - 100 mg/li. Data for a representative polymer. Acute aquatic toxicity (LC50, algae): Algal inhibition tests are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution
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Persistence and degradability	<p>which invalidates the test.</p> <p>Other: The aquatic toxicity is highly mitigated by the presence of dissolved organic carbon in the water.</p> <p>Abiotic degradation: Hydrolysis &gt; 70% (28 days, pH 6 - 8, OECD 111). It is equivalent to a rapid biodegradability in accordance with Directive 67/548/CE, Annex VI. Data for a representative polymer.</p> <p><i>Other data.</i></p> <p>In aqueous solution this product may be eliminated by flocculation and precipitation. It is easily removed from the aqueous media in presence of suspended matter. This product does not contain halogen organic compounds.</p>
Mobility	It may be easily removed by an abiotic process of adsorption.
Results of PBT y vPvB assessment	The product does not bioaccumulate.
Other adverse effects	None to mention.

### 13.0 DISPOSAL CONSIDERATIONS

Waste from residues / unused product	If this product must be disposed as a waste the final user must do it accordingly with the European, national and local regulations. Use only authorised companies.
Used / empty containers	Empty containers and residual product must no be washed out with water, this would provoke an inappropriate dissolution of the product and it would increase the amount of waste to dispose.

14.0 TRANSPORT INFORMATION Not regulated for transport.

### 15.0 REGULATORY INFORMATION

Labelling	Not regulated.
16.0 HAZARD AND RISK phrases	Not applicable.
Date of amendment	Reason for amendment
January 2013	Annual SDS review and update.
July 2015	SDS review and update.

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