



## Q-Ultra Clean

### Material Data Sheet (91/155EG)

Product Code: 19.0610.000.00

#### Product Information

Pelox surface cleaner FRD Special  
To clean surfaces of refined steel.

#### Company

Q-Railing, Marie-Curie – Strasse 14-18 D 46446 - Emmerich am Rhein, Germany

#### Chemical Constituent

CAS-No.	Specification	EG-No.	Index-No.	MAK
7664-38-2	Phosphorus acid, ca. 20-30%	231-633-2	015-011-00-6	
9016-45-9	Surface active agents<10%			

#### Potential Danger

Specification



#### C corrosive

Special indication of danger to men and environment:  
R34: Causing caustic burns.

#### First Aid:

Remove soaked clothing immediately and remove the injured person from the zone of danger (attention: protect yourself)  
After touching skin: wash immediately with plenty of soap and water, rinse well.

After inhaling: fresh air supply, resting position, body warming, if necessary respiration aid. In case of unconsciousness resting or transporting in a lateral stable position. Consult immediately a physician or medical officer.

After contacting the eyes: rinse the open eye for several minutes with running water and consult a physician.

After swallowing: drink a large quantity of water and supply fresh air. Consult immediately a physician.

#### Fire Fighting Measures:

Appropriate extinguishing agents:  
CO2 extinguishing powder or water spray jet. Fight wider spread fire with water spray jet or alcohol resistant foam.

Special protective equipment: a respirator.  
Note: closed containers in designated fire zones should be cooled with water to avoid them bursting.

Protection Measures by Unintentional Escape:  
Personal precautionary measures: none  
Ecological measures: prevent from getting into canals, drains or sewage system. In case of damage at Sea (ship or cargo) inform the local authorities.

Cleaning/absorption treatment: use a neutralisation solution (f. i. soda lye, calcium hydroxide, alkali lye) after dilution with plenty of water. Keep the room ventilated.

#### Handling and Storage:

Indication for safe handling: store in closed plastic containers, in a cool place with appropriate ventilation/exhaust and out of the direct sunlight. Put them in a catching tub, be careful with the construction materials and the volumes.  
Protective personal equipment. Keep food and drinks away. Remove soaked clothes immediately.

Wash your hands before breaks or leaving for the day. If necessary use hermetic closing glasses (plastic glass) protective shield, rubber/plastic gloves, acid proof clothing and shoes.

#### Physical and Chemical Properties:

Form: liquid  
Colour: green  
Smell: sour  
Change of state:  
Fusion point: not applicable (non-combustible)  
Boiling point: ca 106° C  
Flash point: not applicable (non-combustible)  
Explosion hazard: not applicable (non-combustible)  
pH-value:  
Density: at 20° C 1,10 - 1,20 g/cm<sup>3</sup>  
Solubility in water: 100%  
Stability and reactivity: hazardous decomposition product: none (when appropriate stored and handled)

**Toxicity:** *Acute.*  
primary irritations: skin/mucosa: caustic burns  
eyes: caustic burns  
when swallowed: caustic burns in mouth and throat, danger of perforation of oesophagus and stomach

#### Ecology:

*Water dangerous-materials class 1 (self-classification)*

Do not let it get undiluted/unneutralised in the canals, drains or sewage system. The toxic effect for fish and bacteria starts with a pH-value under 6 and increases with a smaller pH-value.

#### Disposal: Recommendation

Disposal of a used mineral acid solution by neutralising with a calcium hydroxide solution in an appropriate container.  
Filter the resulting neutral slush and dispose it according to authority regulations.  
Waste key number: 51309

#### Transportation Regulations:

Name of the product: phosphorous acid mixed product overland transportation ADR/RID and GGVS/GGVE (across the borders / inland)  
ADR/RID - GGVS/E class: 8 corrosive material  
figure / notation: III  
Kemler - figure: 80  
UN -Number: 1805  
naval transportation IMDG/GGVSea  
IMDP/GGVSea - class: 8  
Page: 8204  
UN -Number: 1805  
Packing group: III  
EMS -Number: 8 - 08  
MFAG: 700  
Air transportation ICAO-TI and IATA DGR  
ICAO/IATA - class: 8  
UN/ID -Number: 1805  
packing group: III

#### Identification According to EU Regulations:

##### C corrosive

R 34: etching, corroding, causing caustic burns.  
S 7/9 keep the container closed and stored in a cool place with appropriate ventilation.  
S 26 after contacting the eyes, rinse with water and contact a physician.  
S 27 remove soaked, contaminated clothes immediately.  
S 36/37/39 wear appropriate protective clothing, gloves and glasses or shield during work  
S 45 in case of an accident or nausea contact immediately a physician or medical officer (when possible show him the container label).

#### Other General Information:

The indications in this safety specification sheet are based on our present level of knowledge and according to national and EU legislation. It's not allowed to use the product for other purposes then mentioned above without permission in writing.

We have neither knowledge nor control of the actual working conditions of the user. The user is responsible for meeting all the necessary legal conditions.

This safety specification sheet describes the safety requirements for our products. It is not an assurance of product's properties nor is it valid as a basis for contractual legal relation.