

**SECTION 1: Identification of the substance and of the company****1.1 Product identifier**

Identification of the substance EC number CAS number	Potassium permanganate $\geq 99\%$ 231-760-3 7722-64-7
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**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses:	Laboratory chemical reagent Laboratory and analytical use
Uses advised against:	Do not use for products which come into direct contact with the skin. Do not use for products which come into contact with foodstuffs. Do not use for household purposes.

**1.3 Details of the supplier of the safety data sheet**

Halosint  
Via F. Molena  
31015 Conegliano  
Italy  
**email:** halosint@gmail.com  
**website:** www.halosint.com

**SECTION 2: Hazards identification****2.1 Classification acc. to GHS**

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.14	Oxidising solid	2	Ox. Sol. 2	H272
3.10	Acute toxicity (oral)	4	Acute Tox. 4	H302
3.2	Skin corrosion/irritation	1C	Skin Corr. 1C	H314

3.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.7	Reproductive toxicity	2	Repr. 2	H361d
3.9	Specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
4.1A	Hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
4.1C	Hazardous to the aquatic environment - chronic hazard	1	Aquatic Chronic 1	H410

## 2.2 Label elements

### Signal word

Danger

### Pictograms

GHS03, GHS05, GHS07, GHS08, GHS09



### Hazard statements

H272

May intensify fire; oxidiser

H302

Harmful if swallowed

H314

Causes severe skin burns and eye damage

H361d

Suspected of damaging the unborn child

H373

May cause damage to organs (brain) through prolonged or repeated exposure (if inhaled)

H410

Very toxic to aquatic life with long lasting effects

### Precautionary statements - prevention

P220

Keep away from clothing and other combustible materials

P273

Avoid release to the environment

P280

Wear protective gloves/eye protection

### Precautionary statements - response

P301+P330+P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P302+P352

IF ON SKIN: Wash with plenty of water

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310

Immediately call a POISON CENTER/doctor

For professional users only

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Name of substance

Potassium permanganate

Molecular formula	KMnO <sub>4</sub>
Molar mass	158 g /mol
CAS No	7722-64-7
EC No	231-760-3

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Take off immediately all contaminated clothing. Self-protection of the first aider.

#### Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following skin contact

After contact with skin, wash immediately with plenty of water. Immediate medical treatment is required because corrosive injuries that are not treated are hard to cure.

#### Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

#### Following ingestion

Rinse mouth immediately and drink plenty of water. If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects). In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

### 4.2 Most important symptoms and effects, both acute and delayed

Irritant effects, Corrosion, Risk of serious damage to eyes, Risk of blindness, Gastric perforation, Nausea, Vomiting, Gastrointestinal complaints, Cough, Dyspnoea

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

### 5.2 Special hazards arising from the substance or mixture

Oxidising property. Non-combustible.

## SECTION 6: Handling and storage

### 6.1 Precautions for safe handling

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe dust.

### **6.2 Conditions for safe storage, including any incompatibilities**

Store in a dry place. Keep container tightly closed. Keep away from combustible material.

### **6.3 Individual protection measures (personal protective equipment)**

Eye/face protection	Use safety goggle with side protection. Wear face protection.
Hand protection	NBR (Nitrile rubber) gloves
Environmental exposure controls	Keep away from drains, surface and ground water