



Suite 450  
One North Shore Center  
12 Federal Street  
Pittsburgh, PA 15212

## Safety Data Sheet

# KRO-879

### 1. IDENTIFICATION

**Product name** KRO-879  
**Description** Proprietary Aqueous Solution  
**Product class** Water treatment  
**Supplier address** Suite 450  
One North Shore Center  
12 Federal Street  
Pittsburgh, PA 16212  
**Telephone numbers**  
Company Phone Number (412) 321-9800  
Emergency Telephone CHEMTREC 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

**Hazard classification** Not hazardous pursuant to 29 CFR 1910.1200.  
**Signal word** None  
**Hazard statements** None  
**Pictograms of related hazards** None

#### Precautionary statements

##### Prevention

Read label before use.  
Wash skin thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection, and face protection.

##### Response

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Contact a POISON CENTER or health care provider if you feel unwell.  
IF ON SKIN: Wash with soap and water.

##### Storage

Store in a well-ventilated place. Keep cool.

##### Disposal

Dispose of in accordance with local, state, and federal regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Non-hazardous substances	Proprietary	100

### 4. FIRST-AID MEASURES

Eye contact	Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention if symptoms occur.
Skin contact	Remove contaminated clothing and wash the affected area with soap and water. Wash contaminated clothing before reuse.
Ingestion	If swallowed, DO NOT induce vomiting. Never give anything by mouth to an unconscious individual.
Inhalation	If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use extinguishing media appropriate for the surrounding fire.
<b>Unsuitable extinguishing media</b>	No information available
<b>Protective equipment and precautions for firefighters</b>	Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential. Use water to keep fire-exposed containers cool.
<b>Specific hazards</b>	Combustion may produce toxic gases.
<b>Hazardous combustion products</b>	Carbon oxides, nitrogen oxides

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes.
<b>Methods for clean-up</b>	
<u>Small spills</u>	Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water.
<u>Large spills</u>	Contain spill using trenches, diking, or absorption with an

inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal.

**7. HANDLING AND STORAGE**

**Advice on safe handling** Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling.

**Storage conditions** Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use.

**Suitable materials of construction** No information available

**Unsuitable materials of construction** No information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eye/face protection** Chemical splash goggles

**Skin protection** Chemical-resistant gloves and body-covering clothing

**Respiratory protection** NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134) if airborne concentrations exceed published exposure limits.

**Engineering controls** Adequate ventilation, eye-wash station, and emergency shower

**General hygiene considerations** Do not eat, drink, or smoke while handling this product.

Chemical Name	OSHA PEL	ACGIH TLV
Non-hazardous substances	None established	None established

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>pH</b>	3.0-4.5
<b>Appearance</b>	Clear to pale yellow liquid
<b>Odor</b>	Mild to none
<b>Odor Threshold</b>	No information available
<b>Melting/freezing point</b>	No information available
<b>Initial boiling point/boiling range</b>	No information available
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available

<b>Upper/lower flammability or explosive limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>VOC content</b>	No information available
<b>Specific gravity</b>	No information available
<b>Solubility</b>	No information available
<b>Partition coefficient n-octanol/water</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

### 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of storage and handling.
Hazardous polymerization	Polymerization will not occur.
Conditions to avoid	Extreme temperatures, incompatibilities
Incompatibilities	Strong acids, oxidizers
Hazardous decomposition products	No known non-thermal decomposition hazards.

### 11. TOXICOLOGICAL INFORMATION

<b>Likely routes of exposure</b>	Skin, eyes, ingestion
<b>Acute symptoms and effects</b>	
<b>Eye</b>	Eye irritation with or without pain, burning, itching, redness, and discharge.
<b>Skin</b>	Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.
<b>Ingestion</b>	Gastrointestinal distress with or without nausea, vomiting, and diarrhea.
<b>Inhalation</b>	Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip.
<b>Reproductive effects</b>	No information available
<b>Teratogenicity</b>	No information available
<b>Mutagenicity</b>	No information available
<b>Embryotoxicity</b>	No information available
<b>Sensitization to product</b>	No information available

**Synergistic products** No information available

**Carcinogenicity** No components have been identified as carcinogenic by OSHA, NTP, or IARC.

**Chronic** No information available

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

#### Product

Parameter	Result
96 hr LC <sub>50</sub> , Pimephales promelas	6,120 mg/L
48 hr EC <sub>50</sub> , Daphnia magna	1,290 mg/L

**Persistence** No information available

**Bioaccumulative potential** No information available

**Mobility** No information available

## 13. DISPOSAL CONSIDERATIONS

**Disposal** Dispose of in accordance with federal, state, and local regulations.

**RCRA status** Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

## 14. TRANSPORT INFORMATION

### US Department of Transportation (DOT)

**UN Number UN1759** Not regulated

**Proper shipping name**

**Primary hazard class/division**

**Packing group**

**Label**

## 15. REGULATORY INFORMATION

**OSHA Hazard Communication Status** Not hazardous pursuant to 29 CFR 1910.1200.

**EPA Registration Number** Not applicable

**TSCA**

The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**CERCLA**EPA Hazardous Substances (40 CFR 302)

Chemical Name	Reportable Quantity (RQ)
Non-hazardous substances	None

SARA Title III (Sections 302, 311, 312, and 313)

## Section 302 Extremely Hazardous Substances (40 CFR 355)

Chemical Name	CAS#	RQ	TPQ
None			

## Section 311 and 312 Health and Physical Hazards

Immediate	Delayed	Fire	Pressure	Reactivity
No	No	No	No	No

## Section 313 Toxic Chemicals (40 CFR 372)

Chemical Name	CAS Number	Percent by Weight
None		

**16. OTHER INFORMATION****HMIS Ratings**

Health—0; Flammability—0; Reactivity—0

**NFPA Codes**Health—0; Flammability—0; Reactivity—0;  
Special Hazard—None**Hazard Rating Scale**Minimal—0; Slight—1; Moderate—2; Serious—3;  
Severe—4**SDS Issue Date**

May 29, 2015

**Revision Date**

February 16, 2016, Section 12

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