



# Safety Data Sheet

## DuroKlor 56

### 1. IDENTIFICATION

<b>Product name</b>	DuroKlor 56
<b>Description</b>	Oxidizing Microbiocide
<b>Product class</b>	Biocide
<b>Supplier address</b>	5130 Rialto Road West Chester, OH 45069
<b>Telephone numbers</b>	
<u>Company Phone Number</u>	(866) 489-9831
<u>Emergency Telephone</u>	CHEMTEL (800) 255-3924

### 2. HAZARDS IDENTIFICATION

<b>Hazard classification</b>	Acute Toxicity: Oral, Category 4 Eye Irritation, Category 2A Specific Organ Toxicity: Single Exposure, Respiratory, Category 3 Aquatic Environment Toxicity: Acute, Category 1 Aquatic Environment Toxicity: Chronic, Category 1
<b>Signal word</b>	Warning
<b>Hazard statements</b>	Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

#### Pictograms of related hazards



#### Precautionary statements

##### Prevention

Wash skin thoroughly after handling.  
Do not eat, drink, or smoke when using this product.  
Wear protective gloves, protective clothing, eye protection, and face protection.  
Avoid breathing fumes, mist, vapors, or spray.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

##### Response

Rinse mouth.  
IF SWALLOWED: Contact a POISON CENTER or health care provider if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately contact a POISON CENTER or health care provider.

If eye irritation persists: Get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS #	Weight %
Sodium Dichloro-s-Triazinetriene Hydrated	51580-86-0	99
Non-hazardous substances	Proprietary	1

**4. FIRST-AID MEASURES**

<b>Eye contact</b>	Immediately 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 immediately.
<b>Skin contact</b>	Immediately remove all contaminated clothing. Rinse with copious amounts of water; use an emergency shower if available. Wash contaminated clothing before reuse.
<b>Ingestion</b>	If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious individual.
<b>Inhalation</b>	If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>Note to health care provider</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Water spray, fog in flooding amounts
<b>Unsuitable extinguishing media</b>	Halogenated extinguishing agents or foams, dry chemical, carbon dioxide
<b>Protective equipment and precautions for firefighters</b>	Stay upwind of the fire. Full protective equipment including self-contained breathing apparatus should be used. Use water to cool closed containers. Contain water runoff if possible.
<b>Specific hazards</b>	Oxidizer—may intensify fires.

**Hazardous combustion products** Nitrogen oxides, hydrogen chloride gas, carbon oxides, sodium oxides

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** 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.

**Methods for clean-up**

Small spills

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.

Large spills

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 should be used in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

**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
Sodium Dichloro-s-Triazinetriene Hydrated	None established	None established
Non-hazardous substances	None established	None established

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>pH</b>	5.9-7.0 [1% solution]
<b>Appearance</b>	White crystalline solid
<b>Odor</b>	Mild
<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>	No information available
<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>	24-25%
<b>Partition coefficient n-octanol/water</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	240-250°C (464-482°F)
<b>Viscosity</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under normal conditions of storage and handling.
<b>Hazardous polymerization</b>	Polymerization will not occur.
<b>Conditions to avoid</b>	Extreme temperatures, incompatibilities
<b>Incompatibilities</b>	Strong oxidizing agents, strong reducing agents, acids, organic solvents and compounds
<b>Hazardous decomposition products</b>	Nitrogen oxides, hydrogen chloride gas, carbon oxides, sodium oxides

### 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure** Skin, eyes, ingestion

**Acute toxicity**

*DuroKlor 56*

Parameter	Result
LD <sub>50</sub> , Oral (rat)	1,671 mg/kg
LD <sub>50</sub> , Dermal (rat)	>5,000 mg/kg

**Acute symptoms and effects**

**Eye**

Eye irritation with or without pain, burning, itching, redness, discharge, and serious eye damage.

<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. Possible irritation or corrosion of the oral and esophageal mucosa.
<b>Inhalation</b>	Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip. Aspiration of dust or vomit may cause severe respiratory distress, airway corrosion, and acute lung damage.
<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
<b>Synergistic products</b>	No information available
<b>Carcinogenicity</b>	No components have been identified as carcinogenic by OSHA, NTP, or IARC.
<b>Chronic</b>	No information available

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

#### *DuroKlor 56*

Parameter	Result
96 hr LC <sub>50</sub> , Rainbow trout	0.22 mg/L
96 hr LC <sub>50</sub> , Bluegill sunfish	0.28 mg/L
48 hr EC <sub>50</sub> , Daphnia magna	0.20 mg/L

<b>Persistence</b>	No information available
<b>Bioaccumulative potential</b>	No information available
<b>Mobility</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal</b>	Dispose of in accordance with federal, state, and local regulations.
<b>RCRA status</b>	Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

## 14. TRANSPORT INFORMATION

<b>US Department of Transportation (DOT)</b>	<i>Not regulated for non-bulk shipments.</i>
<b>UN Number</b>	UN3077
<b>Proper shipping name</b>	Environmentally hazardous substance, solid, n.o.s. (contains Sodium Dichloro-s-Triazinetrione)
<b>Primary hazard class/division</b>	9
<b>Secondary hazard</b>	None
<b>Packing group</b>	III

### 15. REGULATORY INFORMATION

**OSHA Hazard Communication Status** Acute Toxicity: Oral, Category 4  
 Eye Irritation, Category 2A  
 Specific Organ Toxicity: Single Exposure, Respiratory, Category 3  
 Aquatic Environment Toxicity: Acute, Category 1  
 Aquatic Environment Toxicity: Chronic, Category 1

**EPA Registration Number** 12487-7-55400

**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)
Sodium Dichloro-s-Triazinetriene Hydrated	None
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
Yes	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—2; Flammability—0; Reactivity—1

**NFPA Ratings** Health—2; Flammability—0; Reactivity—1

**HMIS/NFPA Rating Scale** Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4

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**Version** 1

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*