



APTech Group, Inc.
5130 Rialto Road
West Chester Township, OH 45069
(866) 486-9831

Safety Data Sheet

DuroKlor 56

1. IDENTIFICATION

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

2. HAZARDS IDENTIFICATION

Hazard classification	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
Signal word	Warning
Hazard statements	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

Eye contact	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.
Skin contact	Immediately remove all contaminated clothing. Rinse with copious amounts of water; use an emergency shower if available. Wash contaminated clothing before reuse.
Ingestion	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.
Inhalation	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.
Note to health care provider	Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, fog in flooding amounts
Unsuitable extinguishing media	Halogenated extinguishing agents or foams, dry chemical, carbon dioxide
Protective equipment and precautions for firefighters	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.
Specific hazards	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

pH	5.9-7.0 [1% solution]
Appearance	White crystalline solid
Odor	Mild
Odor Threshold	No information available
Melting/freezing point	No information available
Initial boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
VOC content	No information available
Specific gravity	No information available
Solubility	24-25%
Partition coefficient n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	240-250°C (464-482°F)
Viscosity	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 oxidizing agents, strong reducing agents, acids, organic solvents and compounds
Hazardous decomposition products	Nitrogen oxides, hydrogen chloride gas, carbon oxides, sodium oxides

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure Skin, eyes, ingestion

Acute toxicity

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Parameter	Result
LD ₅₀ , Oral (rat)	1,671 mg/kg
LD ₅₀ , 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.

Skin	Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches.
Ingestion	Gastrointestinal distress with or without nausea, vomiting, and diarrhea. Possible irritation or corrosion of the oral and esophageal mucosa.
Inhalation	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.
Reproductive effects	No information available
Teratogenicity	No information available
Mutagenicity	No information available
Embryotoxicity	No information available
Sensitization to product	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

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Parameter	Result
96 hr LC ₅₀ , Rainbow trout	0.22 mg/L
96 hr LC ₅₀ , Bluegill sunfish	0.28 mg/L
48 hr EC ₅₀ , Daphnia magna	0.20 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)	<i>Not regulated for non-bulk shipments.</i>
UN Number	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (contains Sodium Dichloro-s-Triazinetrione)
Primary hazard class/division	9
Secondary hazard	None
Packing group	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.

CERCLAEPA 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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