

1. Product and Company Identification

Product Code:	00002	
Product Name:	CDB-56	
Trade Name:	Sodium dichloroisocyanurate, dihydrate	
Company Name:	Clearon Corporation	Phone Number:
	95 MacCorkle Avenue, SW	(800)811-2327
	South Charleston, WV 25303	
Emergency Contact:	Chemtrec	(800)424-9300
	Medical	(800)420-9236

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 3
Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1



GHS Signal Word: Warning

GHS Hazard Phrases: H302 - Harmful if swallowed.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

GHS Precaution Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P337+313 - If eye irritation persists, get medical advice/attention.
P391 - Collect spillage.

GHS Storage and Disposal Phrases: P403+233 - Store container tightly closed in well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved disposal facility.

Potential Health Effects (Acute and Chronic):	Hazards not otherwise classified (HNOC) or not covered by GHS.
Additional Hazards Information	Contact with acids liberates toxic gas.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate	99.0 -100.0 %	

4. First Aid Measures

Emergency and First Aid Procedures:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing and wash before re-use. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2 .2) and/or in section 11

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Water spray, fog (flooding amounts).	
Unsuitable Extinguishing Media:	Do not use halogenated extinguishing agents or foam. Dry chemical or CO ₂ .	
Fire Fighting Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.	
Flammable Properties and Hazards:	No data available.	
Hazardous Combustion Products:	nitrogen oxides (NO _x), Hydrogen chloride gas, Carbon oxides, Sodium oxides.	

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Steps To Be Taken In Case Material Is Released Or Spilled:	DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Avoid creation of dust. Sweep and scoop spilled material into clean,dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids. Store away from incompatible substances.
Other Precautions:	Contact with acids liberates toxic gas.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection:	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Protective Gloves:	Neoprene gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Other Protective Clothing:	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering Controls (Ventilation etc.):	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Physical States:	[] Gas [] Liquid [X] Solid		
Appearance and Odor:	White. Granules. chlorine-like.		
pH:	6 - 6.5 - 1% soln		
Melting Point:	No data.		
Boiling Point:	No data.		
Flash Pt:	No data.		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		

Specific Gravity (Water = 1):	No data.
Density:	1.083 G/L
Solubility in Water:	24 - 25%
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	240.00 C (464.0 F) - 250.00 C (482.0 F)
Viscosity:	No data.

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Stable. However, may decompose if heated.
Incompatibility - Materials To Avoid:	Strong oxidizing agents. Acids. Strong reducing agents, Organic solvents and compounds.
Hazardous Decomposition or Byproducts:	nitrogen oxides (NOx), Hydrogen chloride gas, Carbon oxides, Sodium oxides.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Germ cell mutagenicity: No data available. Reproductive toxicity. No data available. CAS# 51580-86-0: Acute toxicity, LD50, Oral, Rat, 1671. MG/KG. Acute toxicity, LD50, Dermal, Rat, > 5000. MG/KG.
Irritation or Corrosion:	Skin corrosion/irritation. Serious eye damage/eye irritation: May cause respiratory irritation.
Sensitization:	Not a sensitizer.
Chronic Toxicological Effects:	Specific target organ toxicity - single exposure: May cause respiratory irritation. Specific target organ toxicity -repeated exposure: no data available.
Carcinogenicity/Other Information:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate	TSCA: No; FIFRA: Yes - Active - 081407; MA Oil/HazMat: No; NJ EHS: No; PA HSL: Yes - 1
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
51580-86-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt, dihydrate	Canadian DSL: No; REACH: Yes - (R), (P)

Regulatory Information: FIFRA INFORMATION: The chemical is a pesticide registered by the Environmental Protection Agency and is subject to certain labeling requirements under Federal Pesticide Law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
CORROSIVE
CAUSES IRREVERSIBLE EYE DAMAGE
MAY BE FATAL IF INHALED
HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN
 Do not get in eyes, on skin, or on clothing. Do not breathe dust, vapor, or spray mist. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

16. Other Information

Revision Date: 08/03/2017

Hazard Rating System:

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PPE	

HMIS:



NFPA:

Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

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