

CDB[®] 56, Clearon[®] Stabilized Dry Chlorinated Compound

*CDB Clearon[®]** compound is sodium dichloro-s-triazinetriene ($\text{Cl}_2\text{Na}(\text{NCO})_3 \cdot 2\text{H}_2\text{O}$) dihydrate, also known as sodium dichloroisocyanurate dihydrate. It is a dry chlorinated compound, available in powder form and in three granulations (medium, coarse and extra coarse). It is a white, free-flowing crystalline isocyanurate with a mild chlorine odor.

TABLE 1
TYPICAL PROPERTIES AND CHEMICAL ANALYSIS

Appearance	White, crystalline
Odor	Mild chlorine
Molecular Weight	255.96
Available Chlorine (% by weight)	
Range	55.0-57.0
Moisture & Volatiles (% by weight)	1 1.0-13.9
Bulk Density, loose, lb/ft ³ (kg/m ³)	
Powder	46-50 (737-801)
Medium Grade	58-62 (930-990)
Coarse Granular	60-64 (970-1025)
Extra Coarse Granular	60-64 (970-1025)
pH, 1% Solution	5.9-7.0

APPLICATIONS

CDB Clearon[®] compound is suitable for use in dry formulations where a readily soluble concentrated source of chlorine is desired for cleaning, bleaching, disinfecting and sanitizing.

This product is registered with the U.S. Environmental Protection Agency for use in formulating or repackaging

TABLE 2
TYPICAL SCREEN ANALYSIS

Form	Cumulative %					
	On 10 ^b (2000 μ)	On 12 ^b (1700 μ)	On 20 ^b (850 μ)	On 30 ^b (600 μ)	On 70 ^b (210 μ)	Thru 100 ^b (150 μ)
Powder	---	---	---	---	---	99 ^c
Medium Granular	0	---	3 ^d	---	---	5 ^d
Coarse Granular	0.5 ^d	---	70 ^d – 30 ^c	---	---	2 ^d
Extra Coarse Granular	---	2 ^d	----	50 ^c	95 ^c	1 ^d

^aMetric-SI values from ASTM Standard E-11-70 based on ISO recommendation

^bU.S. Standard Screen Number

^cMinimum ^dMaximum

as a pesticide. Reformulators and repackagers of this product who claim pesticidal use must obtain their own registrations from the EPA.

It may be compounded for use in dry mix sanitizers, scouring powders, dry chlorinated detergents, dry bleaches and machine dishwashing detergents.

STORAGE

Read label storage directions. *CDB Clearon[®]* compound is sensitive to heat and moisture and should always be kept in tightly closed containers. *CDB Clearon[®]* compound should be stored in a cool, dry, well ventilated fireproof area where the temperature never exceeds 60 °C (140°F). Keep *CDB Clearon[®]* compound away from open flame, combustible or oxidizing materials and other chemicals. Do not store in areas where formulation is done. Since it is a strong oxidizing agent, do not store near reducing agents, other nitrogen compounds, strong acids, alkalis or any reactive material. Do not store near other CDB[®] products.

CDB Clearon[®] compound should be stacked on pallets a maximum of three drums high. The storage area should be protected by high-volume sprinklers.

If *CDB Clearon[®]* compound is not involved but threatened by a fire, use carbon dioxide as an extinguisher.

If *CDB Clearon[®]* compound is involved in a fire, firefighters should adhere to the following procedures.



Wear a NIOSH/MSHA-approved, positive pressure, self-contained breathing apparatus and flood the area with large quantities of water. Ventilate the building to help remove smoke and gases. Once the containers can be handled, isolate them in an open, well ventilated area. Flood with large volumes of water. Keep container contents from entering storm drains. Follow label directions for proper disposal of product and container. Clean contaminated clothing before reuse. Damaged or wet containers should be moved to an isolated area. For help with safety and health emergencies involving Clearon products contact Clearon Corp. at 304-746-3000. For transportation emergencies contact CHEMTREC at 1-800-262-8200.

HANDLING

Because *CDB Clearon*[®] compound is a strong oxidizing agent and sensitive to moisture, only clean, dry, non-metallic utensils should be used when handling. Mixing must be performed in well-ventilated areas. In a closed system, a dust collector may be used to recover fines and dust given off during mixing.

Never leave a *CDB Clearon*[®] compound container open. Contamination with moisture or foreign materials such as dirt, sawdust, paper, oil, grease, or other chemicals (including pool chemicals) may start a chemical reaction.

Do not put *CDB Clearon*[®] compound in any chlorinating device previously used with any other chemical (calcium hypochlorite, for example). Such use may cause a fire or explosion.

Do not formulate with nitrogen-containing materials (ammonia, ammonium compounds, urea, etc.) other *CDB*[®] compounds, or use in concentrated solutions or slurries. Such use may generate noxious, toxic, and potentially explosive fumes. Avoid contact with areas of heat build-up (hot spots) in mixing apparatus. New formulations should be tested in small quantities to determine compatibility and safety of the mixture. It is recommended that *CDB Clearon*[®] be the last ingredient mixed into formulations.

CDB Clearon[®] compound decomposes at 240-250°C (464 - 482°F). Decomposition results in the liberation of heat and harmful gases, so avoid contact with any burning material, such as a lighted cigarette. Symptoms of decomposition are a stronger-than-usual chlorine odor, drums and bins that are warm to the touch or giving off white smoke, and a drum that is bulging.

In case of contamination or decomposition of *CDB Clearon*[®] compound, do not reseal the container. If possible, isolate the container in an open, well-ventilated area. Flood with large volumes of water. Keep contents from entering storm drains. Follow label directions for proper disposal of product and container. Clean contaminated clothing before reuse.

PACKAGING INFORMATION

Powder grade *CDB Clearon*[®] compound is available in 2,800 lbs. tote bins. Medium, Coarse and Extra Coarse grades are available in bulk 2,205 lbs. supersacks. Medium, Coarse and Extra Coarse grades are also available in various container types and sizes ranging from 25 lbs. (11.34 kg) and 50 lbs. (22.68 kg) plastic pails, as well as 100 lbs. (45 kg) and 300 lbs. (136.1 kg) polyethylene-lined fiber drums with Lever Lok closures.

TRANSPORTATION INFORMATION

This product is considered to be not regulated by U.S. D.O.T. hazardous materials criteria.

FOR MORE INFORMATION

Please write or call Clearon Corp., Customer Service, 95 MacCorkle Ave S.W. South Charleston, WV 25303, 1-800-811-CDBS for Technical Service if you have a specific question or need more information. Need to place orders, obtain information on order status, product availability, or other marketing related inquires..

If you call evenings (after 5:00 pm Eastern time) or on weekends or holidays, your message will be recorded and a representative will contact you at the beginning of the next business day.

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protective Equipment and Leak Procedures, and Waste Disposal. To order an SDS, call Clearon's Customer Service Dept. at 1-800-811 -CDBS. —Before using or handling this product, the SDS should be thoroughly reviewed.

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Clearon Locations

Sales, Marketing and Manufacturing 95 MacCorkle Avenue, S.W., South Charleston, WV 25303. 304-746-3000.
Tableting & Packaging . Bldg 311 3100 MacCorkle Avenue, S.W., South Charleston, WV 25303

Ordering: 1-800-811-CDBS.