

CDB[®] 90 Stabilized Dry Chlorinated Compound

CDB[®] 90 compound is trichloro-s-triazinetriene (CINCO)₃, also known as trichloroisocyanuric acid. It is a dry chlorinated compound available in two granulations (medium and coarse). It is a dry, white, free-flowing isocyanurate with a mild chlorine odor.

TABLE 1
TYPICAL PROPERTIES AND CHEMICAL ANALYSIS

Appearance	White, crystalline
Odor	Mild chlorine
Molecular Weight	232.47
Available Chlorine (% by weight)	
Minimum Value	90
Moisture and Volatiles (% by weight)	
Maximum Value	0.15
Typical Bulk Density	
Medium Granular (lb/ft ³)	60-64
Coarse Granular (lb/ft ³)	62-66
pH, 1% Solution	2.5-3.7
Sodium (mg/kg)	150

APPLICATIONS

CDB[®] 90 compound is an excellent, highly concentrated source of available chlorine for cleaning, bleaching, disinfecting and sanitizing.

This product is registered with the U.S. Environmental Protection Agency for use in formulating or repackaging as a pesticide. Reformulators and repackagers of this product for pesticidal uses must obtain their own registrations from the EPA.

CDB[®] 90 compound is used in formulated and tableted products where its slow dissolving rate, ease of tableting, and high chlorine content are important. It may be compounded for use in dry bleaches, scouring powders and dry mix sanitizers and cleaners for industrial and institutional applications.

STORAGE

Read label storage directions. CDB[®] 90 compound is sensitive to heat and moisture and should always be kept in tightly closed containers. CDB[®] 90 should be stacked a maximum two drums high on pallets. Store in a cool, dry, well-ventilated, fireproof area where the temperature never exceeds 60°C (140°F). The storage area should be protected by high-volume sprinklers. Do not store in areas where formulation is done. Since it is also a strong oxidizing agent, do not store near reducing agents, other nitrogen compounds, flammable liquids, combustibles, strong acids, alkalis or any reactive material. Do not store near other CDB[®] products.

If CDB[®] 90 compound is not involved but threatened by fire, use carbon dioxide as an extinguisher. If CDB[®] 90 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.

Check all CDB[®] 90 compound containers. Any bulging containers should be struck on the lid from a protected position at least 15 feet away to relieve pressure and detonate any nitrogen trichloride. 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 1-800-424-9300.

HANDLING

Because CDB[®] 90 compound is a strong oxidizing agent and sensitive to moisture, only clean, dry, non-metallic utensils should be used when handling. Mixing should 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.

TABLE 2

Typical Screen Analysis

(Maximum) U. S. Standard Screen No.	On 10 (2,000µ)	Cumulative % On 20 (850µ)	On 30 (600µ)	Thru 100 (150µ)
Medium Granular	---	2	45	5
Coarse Granular	0.5	30-70 ^b	---	5

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

^bRepresents a specification range

Never leave a CDB[®]90 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[®]90 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[®] products, 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[®]90 be the last ingredient mixed into formulations.

CDB[®]90 compound decomposes at 225-240^oC (437-464^oF). 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 that are warm to the touch or giving off white smoke, or are bulging.

In case of contamination or decomposition, do not reseal the container. Any bulging containers should be struck on the lid from a protected position at least 15 feet away to relieve pressure and detonate any nitrogen trichloride. 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.

SHIPPING INFORMATION

Medium and coarse grades of CDB[®]90 compound are available in 400 lbs. polyethylene-lined fiber drums and 2205 lbs. (one metric ton) supersacks.

FOR MORE INFORMATION

TECHNICAL SERVICE

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

HOW TO ORDER

Please write or call Clearon Corp., Customer Service, 95 MacCorkle Ave S.W. South Charleston, WV 25303, 1-800-811-CDBS 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.