SEVERN TRENT SERVICES

EXCELTEC

D-CHLOR TABLETS

Material Safety Data Sheet

1. GENERAL PRODUCT INFORMATION

Product Name	.....	D-CHLOR
US EPA Reg. No.	.....	Not Required
US Patent No.	.....	5E + 06
Synonyms	.....	Sodium sulfite, disodium sulfite, $Na_2 S0_3$
Product Use		Dechlorinating agent for water and wastewater

MANUFACTURER INFORMATION

Company Name	.....	Exceltec International Corporation
Street Address	.....	1110 Industrial Boulevard
City, State, Zip	.....	Sugar Land, Texas 77478
Emergency Phone	.....	1-800-424-9300
Office Phone	.....	(281) 240-6770 Toll Free: 1-800-621-9189
Date Prepared	.....	10/15/95 Last Revision: 08/07/2000

2. ACTIVE INGREDIENTS

This product does not contain any ingredient considered to be hazardous.

Chemical Name	% of Mixture	TLV (mg/m3)	PEL (mg/m3)	CAS #
Sodium Sulfite	81.3%	5	5	7757-83-7

3. PHYSICAL PROPERTIES

Boiling Point	.....	None; dry solid	Vapor Density	.....	N/A
Melting Point	.....	N/A	Vapor Pressure	.....	N/A
Specific Gravity	.....	2.0 min (tablet)	Percent Volatiles	.....	N/A
Solubility in Water	.....	22% by weight @ 80°	Density (@ 20°C)	.....	2.0
pH	.....	8.8-9.8 (1% solution)	HMIS#	.....	1* 01
Color	.....	Pale green solid tablet	*Exposure to acids will release SO_2 gas.		
Odor	.....	Slight sulfur odor; pine fragrance added.			

4. FIRE AND EXPLOSION DATA

Flash Point	.....	N/A	Auto Ignite Temperature	.....	N/A
Explosive Limit	.....	N/A	Flammable Limits in Air	.....	N/A
Extinguishing Media	.....	Use appropriate extinguishing media for the material that is burning. Is compatible with water fog or spray foam CO_2 or dry chemical.			

4. FIRE AND EXPLOSION DATA (Cont.)

Special Fire Fighting Procedures:

Use NIOSH-approved self-contained breathing apparatus. Use water spray to keep containers cool and to knock down fumes.

Unusual Hazard Information:

At 1112°F (600°C) sodium sulfide is formed; at 1652°F (900°C) sulfur dioxide is formed. Use self-contained breathing apparatus for fighting fires.

5. HEALTH HAZARD INFORMATION

Routes of Exposure:

Ingestion: Estimated to be very toxic by NIOSH. Ingestion may irritate gastrointestinal tract. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and even death.

Eye Contact: Dust or solutions may irritate or burn eyes.

Skin Contact: Dust or solutions may irritate skin from prolonged contact.

Inhalation: Inhalation of dust or mist may irritate respiratory tract.

Emergency and First Aid Procedures:

Eyes: IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of entire eye surface. SEEK MEDICAL ATTENTION.

Skin: Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. Footwear should be decontaminated before reuse. Seek medical attention if symptoms persist.

Inhalation: Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available. SEEK MEDICAL ATTENTION.

Ingestion: INDUCE VOMITING, seek medical attention. NEVER give anything by mouth or induce vomiting if person is unconscious or having convulsions.

6. REACTIVITY DATA

Conditions to avoid:

Avoid moisture and high humidity. High temperatures yield sulfur dioxide gas and sodium sulfide residue.

Incompatibility (materials to avoid):

Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.

Hazardous decomposition or byproducts:

Sulfur dioxide gas (SO_2) is toxic, corrosive and an oxidizer. Sodium sulfide residue (Na_2S) is flammable and a strong irritant to skin and tissue.

Hazardous polymerization:

This product is not known to polymerize.

7. SPILL OR LEAK PROCEDURES (DEVELOP SPILL PLAN)

Steps to be Taken if Material is Released and/or Spilled:

D-CHLOR is not a regulated product. However, in the event of a spill, wear appropriate gear: rubber gloves and goggles. Contain all spilled material and place in suitable containers for disposal.

Waste Disposal Methods:

D-CHLOR is not rated as a hazardous substance by the EPA. Unused material is not rated as a hazardous waste by RCRA. Solid waste can be buried at a licensed facility. Collected material can be dissolved in water, using caution as solution may get hot. Neutralize with acid and flush to sewer with plenty of water if permitted by applicable disposal regulations. Good ventilation is necessary during neutralization due to release of sulfur dioxide gas. Oxidation to sodium sulfate may be required, as for example, by adding a slight excess of dilute hydrogen peroxide carefully while stirring. Neutralized waste may have to be disposed of by an approved contractor.

8. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements:

Work in well ventilated areas. Storage area should be well ventilated.

Specific Personal Protective Equipment:

Respiratory protection is not required under normal use, however when necessary, use NIOSH/MSHA approved respirator following manufacturer's recommendations. NIOSH approved dust mask is essential where dusting may occur.

Eye Protection: Chemical safety glasses or goggles should be worn.

Protective Gloves: Gloves should be worn. Rubber or other chemically resistant materials are recommended as suitable material.

Other Clothing and Equipment:

Protective clothing should be worn so as to minimize skin contact. Avoid contact with clothing. Fire may result from contact of dry material with cloth or flammables.

9. SPECIAL PRECAUTIONS

Caution:

May cause irritation to eyes, skin and respiratory system on contact. Ingestion may irritate gastrointestinal tract. Large doses may cause violent colic and diarrhea. Wash hands thoroughly after handling. REDUCING AGENT: Stable under normal conditions. Contact with strong oxidizers can cause vigorous exothermic reactions. Contact with acids release sulfur dioxide gas. Non-flammable, but will decompose to sulfur dioxide gas in a fire. Use self-contained breathing apparatus when sulfur dioxide gas is present. Do not add this product to any dispensing device containing remains of any other product. Do not allow this product to come in contact with chlorination tablets, granules or pellets.

10. STORAGE AND DISPOSAL

Storage:

Keep product dry and in a tightly closed container when not in use. Store in cool, dry, well ventilated area, keeping it away from heat sources and/or open flames.

For best results, product should not be stored at temperatures in excess of 80°F.

Keep in original container. DO NOT store/transfer/repack this product in any other container without the approval/authorization of Exceltec International Corp.

Disposal:

Follow "Spill and Leak Procedures" as outlined in Section 7 of this Data Sheet. DO NOT reuse empty container. Wash thoroughly with water and discard clean container in a safe place.

Do not contaminated food or feed by storage, disposal or cleaning of equipment.