

Description	Enviro-Chem Cx is an anti-odors agent available as a liquid solution, acting by neutralization of odors coming from the organically decomposition of solid and liquid waste. It has both neutralizing effect (removal of existing odors) and preventive effect (biomass stabilization, preventing the formation of new odors).	
Main usage	At the opposite of the masking agents, which are replacing an odor by another one, Enviro-Chem Cx, works chemically on the solid and liquid waste. The product inhibits the proteins and sulphides decomposition reactions that prevent the creation of odors. The reduction of these volatile emissions is achieved by sequestering the odorous volatile molecules, thereby allowing the acid/base reactions, amines and peptide cross-linking, and chelation reactions to occur. This leads to the formation of larger molecules that resist rapid biological breakdown. The process therefore blocks amines, hydrogen sulphides and meractpan odors.	
Physical Characteristics	Characteristics	Specifications
	Physical aspect	Clear light blue liquid
	Density at 20°C	1,055 – 1,065
	pH	At 10%: 2,5 - 3,0
	Viscosity	10 cap
	Flash point	N/A
	Stability	2 years (min) in normal conditions
	Composition	
	Benzaldehyde	Between 1 and 5 %
	Copper Sulphate Pentahydrate	Between 1 and 5 %
	Fatty alcohol EO/PO	Between 1 and 10 %
Application and storage	<p>LIQUID WASTE (waste water, sludge...): Enviro-Chem Cx is normally added to the wastewater in the form of a liquid solution at 0.4-1% of the product. Enviro-Chem Cx is a low viscous liquid that dissolve easily in water. In the application of Enviro-Chem Cx, the most important success factor is the intimate mixing with liquids. Because of the fact hat the product acts by blocking chemical reactions of molecules in presence in the entire volume of wastes, it is essential to have a contact with the totality of the mass of liquid to treat. It is normal that a delay of several days is necessary to perceive the de-odorant effect of the product. Indeed, it takes time to purge completely the treatment installations from the untreated sludge's. The dosage of the product is dictated by the nature of the waste to de-odorize, but generally we use the rule: Typical dosage = 1,50 kg/TDS (metric ton of dry solid). E.g. at 1000mg/l TDS, we need 1.50kg for 1000m3 of wastewater. However, typical dosing range = 0,8 - 3kg/TDS</p> <p>SOLID WASTES (landfills, clinkers...): Use 4 liters of Enviro-Chem Cx per 100 m2, diluted in at least 2000L water.</p> <p>COMPOST: Dilute 4 to 5 liters Enviro-Chem Cx in 500 to 1 000 l water. Spray the compost while it is turned over, with a pump and agricultural-type sprinklers. This is enough to spray rows 60 m long, 2 m wide and 3 m high.</p> <p>SEWAGE SYSTEMS: Dilute 1 litter Enviro-Chem Cx in 10 to 20 l water and pour in the system (upper waters). Repeat every 3 to 4 weeks.</p> <p>CONTAINERS: Dilute 100 ml Enviro-Chem Cx in 10 l water (1 % solution) and spray plentifully on the stained surfaces</p> <p>In normal storage conditions, Enviro-Chem is stable for at least 24 months. Extreme temperatures must be avoided. The recommended range of temperature is -5°C to 35°C. The product efficiency could be impacted if those conditions are not met.</p>	
Incompatibility	Fiberglass and polyethylene are the recommended materials for the preparation and transport. One must avoid putting the product in contact with cast, brass and galvanized surfaces.	
Technical services	The company representatives are at your disposal to propose advises and assistance for the lab tests and determine the correct product and best application. A technical assistance can also be proposed during industrial trials.	
Health and safety	During manipulation one must at least wear protection glasses, clothes and gloves. It is imperative to review the safety datasheet, available on request.	
Conditioning	The standard conditioning available are: IBC of 1000 liters net, drums of 200 liters and jugs of 20 liters	
Origin	The product is manufactured in Belgium	