

Description	Enviro-Chem AG is an anti-odours agent available as a liquid solution, acting by neutralization of doors coming from the organically decomposition of solid and liquid waste. It has both neutralizing effect (removal of existing odours) and preventive effect (biomass stabilization, preventing the formation of new doors).	
Main usage	At the opposite of the masking agents, which are replacing an odour by another one, Enviro-Chem AG, works chemically on the sold and liquid waste. The product inhibits the proteins and sulphides decomposition reactions that prevent the creation of doors. 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 meracptan odours.	
Physical Characteristics	Characteristics	Specifications
	Physical aspect	Clear light blue liquid
	Density at 20°C	1,095 – 1,105
	PH	At 10%: 5 – 5,50
	Viscosity	No Data available
	Flash point	N/A
	Stability	2 years (min) in normal conditions
	Composition	
	Benzaldehyde	Between 0,1 and 1 %
	Copper Sulphate Pentahydrate	Between 0,01 and 1 %
	Zinc Sulphate	Between 0.01 and 1%
	Fatty alcohol EO/PO	Between 0,1 and 1 %
	Glyoxal Texte	Between 1 and 10%
Application and storage	<p>LIQUID WASTE (sludge of waste water purifying stations, when mercaptans, sulfides and polysulfides are present): Enviro-Chem AG is normally added to the wastewater in the form of a liquid solution at 0.5-1% of the product. Enviro-Chem AG is a low viscous liquid that dissolve easily in water.</p> <p>In the application of Enviro-Chem AG, 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.</p> <p>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.</p> <p>The dosage of the product is dictated by the nature of the waste to de-odorize, but generally we use the rule: Typical dosage = 1,00 kg/TDS (metric ton of dry solid) - Typical dosing range = 0,8 - 3kg/TDS</p> <p>ANIMAL MANURE (swines, chickens, etc....): Try to assess the amount of dry material. Add 1 liter of product per METRIC TON of dry matter assessed, pre-diluted. MIX WELL. Add more product as new manure is produced.</p> <p>SEPTIC TANKS: Assess the total volume of wastes present in the tank. Consider the dry material to be half that volume. Add a minimum of 2 liters of ENVIRO-CHEM AG, but never less than 2 liters per metric ton, via a toilet. Flush at least 5 times.</p> <p>TETRAHYDROTHIOPHENE and OTHER ODORIFEROUS AGENTS FOR GAS – SULFIDES AND POLYSULFIDES: Prepare a 2 % solution in water (20 ml per liter) and pour (watering can, garden sprayer, bucket....) on the spills.</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 representants 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 litres net, drums of 200 liters et jugs of 20 litres	
Origin	The product is manufactured in Belgium	