

PROCEDURES FOR HANDLING AND STORING CHLORINE GAS CONTAINERS

1. All chlorine containers will be stored upright and secured with a chain.
2. Containers will not be bumped or dropped.
3. Protective valve caps will be kept on containers not in use.
4. Cylinders will never be used for any other purpose other than chlorine gas.
5. Before changing chlorine put on chlorine gas mask. Either the Scott Air Pack or the Permissible Gas Mask are acceptable. After checking for proper fit and breathing continue procedures for changing chlorine. Open valves carefully with proper wrench. They are opened  $\frac{1}{4}$  turn. Tapping wrench lightly aids in operating stuck valves. Extension on wrench is never used. Close cylinder valves when not withdrawing chlorine and when empty.
6. Slightest leak of gas is given immediate attention. Leaks may be located by passing an un-stoppered bottle of ammonia solution along chlorine lines and around fittings. White fumes of ammonium chloride indicate leak.
7. When chlorine leak has been discovered immediately secure chlorine cylinder. If operator cannot fix leak then notify immediate supervisor.

NOTE: Chlorine gas is extremely poisonous. It is irritating to eyes, mouth, throat, and nose. Chlorine gas in sufficient amount can be FATAL. All operators and other personnel must know how to use gas mask, know where vent fans are located, and procedures involved in cutting off chlorine cylinders.



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