LIQUID SOURCES

Dichloromethane (DCM)

Application:

Dichloromethane (DCM) considered as a replacement for Trichloroethane (TCA), which is currently used as a HCI source for oxidation processes. TCA has been identified by the Montreal Protocol and U.S. Clean Air Act as an ozone depleting chemical. This action has prompted semiconductor manufacturers to find a drop-in replacement for TCA without having to return to HCI.

Specification:

Purity (Trace Metals) 99.99999 + %

Hong Kong Specialty Gases offers DCM in our ULSI Grade. This material is purified using double distillation, a specially developed technique. Our preliminary specifications are 99.9 + % minium assay with 99.99999 + % (7 - 9's + %) purity with respect to trace metals.

Delivery Hardware:

Hong Kong Specialty Gases offers our ULSI Grade DCM in industry standard quartz bubblers. High purity quartz bubblers are available in 500, 1000, and 1500cc sizes. These bubblers are offered with dual-sealing teflon valves for the inlet and outlet (1/4" or 3/8"). Our quartz bubblers come standard with a clear safety coating to protect against spillage upon breakage and are equipped with dip tubes with multiple angled laser cut holes for improved carrier gas saturation.

Physical Properties:

FORMULA	CCl_2H_2
Molecular Weight	84.93
Density	1.325 g/ml
Flash Point	None
Vapor Pressure	See Chart Below
Boiling Point	39.8˚C
Melting Point	-97˚C

Vapor Pressure: