



## METHANESULFONIC ACID

Item	Value
PRODUCT NAME	methanesulfonic acid
PRODUCT IMAGE	
CAS NUMBER	75-75-2
WEIGHT	96.11
FORMULA	
PROPERTIES	<p>           Melting point: : 19 °C            Boiling point: : 167 mm Hg (lit.)            Density : 1.481 g/mL at 25 °C (lit.)            vapor density : 3.3 (vs air)            vapor pressure : 1 mm Hg ( 20 °C)            refractive index : n<sub>D</sub> 1.429 (lit.)            Flash point: : &gt;230 °C            storage temp. : 2-8 ° C            solubility : water: soluble 1,000 g/L at 20 ° C            pka : -2.6 (at 25 ° C)            form : Solution            color : brown            Specific Gravity : 1.48 (18/4 ° C)            Water Solubility : Miscible with water. Slightly miscible with benzene and toluene. Immiscible with paraffins.            λ<sub>max</sub> : λ: 240-320 nm A<sub>max</sub>: &lt;0.4            Sensitive : Light Sensitive &amp; Hygroscopic            Merck : 14,5954            BRN : 1446024            Stability: : Stable. Moisture sensitive. Incompatible with amines, bases, water, common metals. Releases a substantial amount of heat when diluted with water (add acid to water with care if diluting).            InChIKey : AFVFQIVMOAPDHO-UHFFFAOYSA-N            CAS DataBase Reference : 75-75-2 (CAS DataBase Reference)            NIST Chemistry Reference : CH3SO3H (75-75-2)            EPA Substance Registry System : Methanesulfonic acid (75-75-2)         </p>

Item	Value
SAFETY	Hazard Codes:C Risk Statements:34-22-21/22-35 Safety Statements:26-36-45-1/2-36/37/39 RIDADR:UN 3265 8/PG 2 WGK Germany:1 RTECS:PB1140000 TSCA:Yes HazardClass:8 PackingGroup:III HS Code:29041000 Hazardous Substances Data:75-75-2(Hazardous Substances Data) Toxicity:LD50 orally in Rabbit: 649 mg/kg LD50 dermal Rabbit 200 - 2000 mg/kg