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Silver(I) fluoride, 99+%

MSDS Specifications Applications Categories 3D model Molfile



General		^	
Product Name	Silver(I) fluoride		
CAS RN	7775-41-9		
ACD Code	MFCD00003410		
Structure			
Molecular Formula	Ag F		
Molecular weight	126.87		
Pack size	{Error}		
Physical		^	
Density (g/cm ³)	5.85		
Boiling Point (°C)	1150		
Melting Point (°C)	435		
Safety		^	
GHS Pictogram			
GHS Signal Word	Danger		
GHS H statement	H318: Causes serious eye damage H314: Causes severe skin burns and eye damage		
GHS P statement	P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting P280: Wear eye protection/face protection P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310: Immediately call a POISON CENTER or doctor/physician		
Hazard	C: Corrosive		
Risk	34: Causes burns.		
Safety	25: Avoid contact with eyes. 36/37/39: Wear suitable protective clothing, gloves and eye/face protection. 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).		
Categories		^	
Preparation, Purification and Analysis > Analytical Reagents for General Use			
Applications		^	
	Function	Transformation Type	Caveat
	Reagent	Fluorination	Addition of fluoride to alkenes.
	Reagent	Fluorination	Formation of trifluoromethyl thio aromatics from iodoaromatics.
	Reagent	Fluorination	In combination with bromine or iodine, alkenes undergo trans-fluorohalogenation.
	Reagent	Fluorination	Of gem-dihalides.
	Reagent	Fluorination	Preparation of ?-fluoro-?,?-unsaturated ketones/esters by the reaction of the a-diazo keto/ester with benzeneselenenyl fluoride (prepared by the reaction of benzeneselenenyl bromide with AgF.
	Reagent	Fluorination	Preparation of alkyl fluorides by halide exchange.
	Reference		JOC 1967, 32, 1941 JFC 1990, 48, 249 CJC 1973, 51, 2092 JOC 1975, 40, 782 CC 1992, 1148 S 1974, 655
Other		^	
Parameter	EINECS	231-895-8	
	Solubility	Solubility in water: IN WATER: 182 G/100ML (15.5°C)	
	Origin	synthetic	
	References: Literature	Fluoroselenenylation of alkynes: Usuki Y. et al.; Chem. Lett. 8, 1507-10 (1992).	
	Reference: Fieser	02,364; 05,581; 06,514; 15,287	
	Reference: Merck	15,8653	

