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Typical Product Specifications & Properties

Acrylamide, 53% Aqueous

CAS Number: : 79-06-1

Specifications	Limits
Molecular weight	71.08
EINECS	201-173-7
SMILES	NC(=O)C=C
InChI	1S/C3H5NO/c1-2-3(4)5/h2H,1H2,(H2,4,5)
InChIKey	HRPVXLWXLXDGHG-UHFFFAOYSA-N
Vapor Density	2.45
Merck	14,129
Density	1,322 g/cm ³
Melting Point	82-86 °C
Water solubility	SOLUBLE, 216 g/100 mL
Solubility	H ₂ O: 50 mg/mL at 20 °C, clear, colorless
Boiling Point	125 °C/25 mm Hg



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Specifications	Limits
BRN Number	605349
Vapor Pressure	0.03 mm Hg (40 °C)
Sensitive	Light Sensitive
Refractive Index	1.460
Flash Point	138 °C
Form	powder
Stability	Unstable. Do not heat above 50C. Explosive. Incompatible with acids, bases, oxidizing agents, reducing agents, iron and iron salts, copper, aluminium, brass, free radical initiators. Air sensitive. Hygroscopic.
Storage Temperature	2-8°C



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