

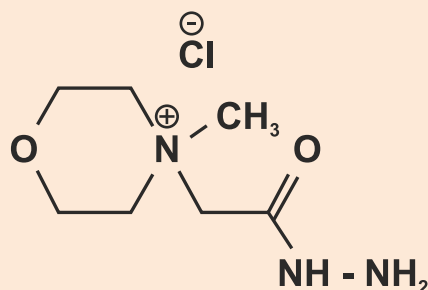


Sarex Overseas (A division of Saraf Chemicals Pvt. Ltd.)

Corporate Office: 501, Waterford, C Wing, C. D. Barfiwala Marg, Juhu Lane, Andheri (W), Mumbai - 400 058, India.
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HMMC

1. STRUCTURE



2. PRODUCT NAME & DETAILS

4-(2-Hydrazino-2-oxoethyl)-4-methylmorpholine-4-ium chloride (HMMC)

Product Code	: 002427
CAS No.	: 876-57-3
HS Code	: 2942.00.90
Molecular formula	: C ₇ H ₁₆ N ₃ O ₂ Cl
Molecular weight	: 209.70

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
4-(2-Hydrazino-2-oxoethyl)-4-methylmorpholine-4-iumchloride	4-(2-Hydrazino-2-oxoethyl)-4-methylmorpholine-4-iumchloride	876-57-3	--
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed
EC Inventory			Not Listed
United States Toxic Substances Control Act (TSCA) Inventory			Not Listed
China Catalog of Hazardous chemicals 2015			Not Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Not Listed
Korea Existing Chemicals List (KECL)			Not Listed
Canadian Domestic Substance List (DSL)			Not Listed
Canadian Non-Domestic Substance List (NDSL)			Not Listed
Japanese Existing and New Chemical Substances Inventory (ENCS)			Not Listed

4. SPECIFICATION

Physical Appearance	: White Powder
Solubility (10% Solution In Water)	: Clear, Free From Particulate Matter
Any Others Impurity	: NMT 0.10%
Purity By HPLC	: NLT 99.50%
Methanol Content	: NMT 0.10%
Impurities CMMC	: NMT 0.10%
Hydrazine Content	: NMT 0.10%

Disclaimer

Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
Above information is given in good faith and without warranty.



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5. APPLICATION : Used as Pharmaceutical intermediate.

6. HAZARD CLASSIFICATION : Hazardous substance. (UN No. 2811)



Acute Toxic **Environmental Hazard**

7. ANNUAL CAPACITY : 10 MT.

8. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sun light.

9. PACKING DETAILS : 25 Kg in corrugated box with PE liner Or 300 kg in big bag.

10. SHELF LIFE : 3 years.

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