

1. Product and Company Identification

www.rxmarine.com

Product Name :1,3-Dimethylbarbituric Acid
Part Number :RXSOL-61-6396-250

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.

Phone +91 22 27815540 / 41 / 42
Fax +91 22 2781 1318 ::AOH :0091 9821214367
Email 123@rxmarine.com
Website www.rxmarine.com

Certificate of Analysis

Product Name:1,3-Dimethylbarbituric Acid

Product Number:RXSOL-61-6396-250

CAS Number:769-42-6

Formula:C₆H₈N₂O₃

Formula Weight:156,14 g/mol

9. Physical and chemical properties

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Test	Specification	Result
Appearance (Color)	White to Faint Yellow	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Crystals
Solubility (Color)	Colorless to Faint Yellow	Almost Colorless
Solubility (Turbidity)	Clear	Clear
0.5 G IN 10 ML H ₂ O HOT		
Infrared spectrum	Conforms to Structure	Conforms
Purity (HPLC)	≥ 99.0 %	99.7 %
Purity (Titration by NaOH)	99.0 - 101.0 %	100.7 %
Melting Point	121 - 123 deg	123 deg
Residue on Ignition	≤ 0.10 %	0.07 %

9. Physical and chemical properties

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Form	Liquid
Colour	Dark brown
Odour	Hydrocarbon-like.
Odor Threshold	No Information Available
pH	Not Applicable
Melting Point	< -40 °F (< -40 °C)
Boiling Point	348.8 °F (176 °C)
Flash Point	150.1 °F (65.6 °C) Pensky-Martens Closed Cup
Evaporation Rate	< 1 (Ether =1)
Flammability (solid, gas)	Not Applicable
Explosive limits Lower / Uper	Not Available
Vapour pressure	< 5 mm Hg @ 21°C
Vapour Density	> 1 (Air =1)
Secific Gravity	1.42
Decomposition Temperature	No information available
Partition coefficient	No data available
Autoignition Temperature	No data available
Solubility in Water	Not Soluble
Viscosity	< 400 cSt @ 60°F
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pour point	< -40 °C

Product Name	Vanadium Inhibitor (RXSOL ORG 70)
Part Number	RXSOL-81-1770-210

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