

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid, low temperature decomposing
N-Precursor for MOVPE

'MO-III/V

BP: 63 °C/145.4 °F/1013 hPa

'UDMHy-N,N DIMETHYLHYDRAZINE

PRODUCT DATASHEET

'UDMHy-N,N DIMETHYLHYDRAZINE

IDENTIFICATION

CAS-No:	57-14-7
EINECS/ELINCS-No:	200-316-0
Other name:	1,1 Dimethylhydrazine Unsymmetrical Dimethylhydrazine

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\lg p(\text{Torr}) = 8.272 - 1812/T(\text{K})$
Density:	0.79 g/cm ³
Molweight:	60.1 g/mol
Melting point:	-58 °C/-72.4 °F
Boiling point:	63 °C/145.4 °F/1013 hPa

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Toxic by inhalation
Explosion limit Vol%:	2-95 Vol%
Auto ignition temp. °C:	249 °C / 480.2 °F
ADR/RID	
ADR/RID-class:	6.1
UN-no:	1163
IMDG	
IMDG-class:	6.1 – DEDICATED TRANSPORT
UN-no:	1163
ICAO/IATA	
ICAO/IATA-class:	6.1
UN-no:	1163 – AIR FREIGHT FORBIDDEN

For further details please refer to Safety Data Sheet (SDS)

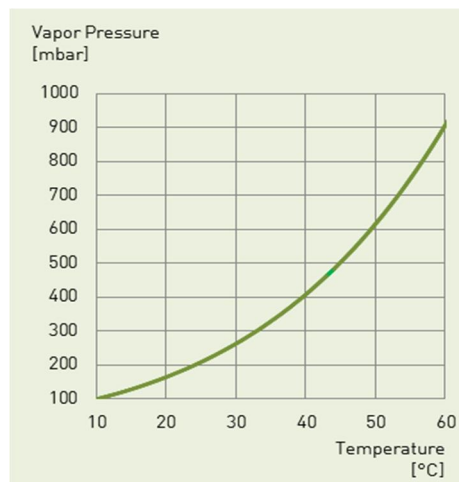
PACKAGING & STANDARD FILLING VOLUMES

UDMHy.250.DOCK/10.400	250g / 400ccm cyl.
UDMHy.700.DOCK/10.1000	700g / 1000ccm cyl.
UDMHy.2100.DOCK/10.3000	2100g / 3000ccm cyl.
UDMHy.2800.DOCK/10.3950	2800g / 3950ccm cyl.
UDMHy.5000.DOCK/100.8000	5000g / 8000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

III/V MOCVD
Dilute Nitride semiconductors (GaInNAs, GaNAsP)

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PRODUCT DATASHEET

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