

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid Carbon doping source  
for MOVPE

'MO-III/V

BP: 105 °C/221 °F/1013 hPa

'CCl<sub>3</sub>Br-CARBONTRICHLORIDEBROMIDE

PRODUCT DATASHEET

# CCl<sub>3</sub>Br-CARBONTRICHLORIDEBROMIDE

## IDENTIFICATION

<b>CAS-No:</b>	75-62-7
<b>EC-No:</b>	200-886-0
<b>Other name:</b>	Bromotrichloromethane

III-V

## PHYSICAL PROPERTIES

<b>Vapor pressure equat.:</b>	Not available
<b>Density:</b>	2.01 g/cm <sup>3</sup>
<b>Molweight:</b>	198 g/mol
<b>Melting point:</b>	-6 °C/21.2 °F
<b>Boiling point:</b>	105 °C/221 °F/1013 hPa

## CHEMICAL PROPERTIES

<b>Stability:</b>	Stable under inert gas
<b>State of matter:</b>	Liquid

## SAFETY & TRANSPORT

<b>Toxicity:</b>	Toxic by inhalation
<b>Explosion limit Vol%:</b>	n.a.
<b>Auto ignition temp. °C:</b>	n.a.
ADR/RID	
<b>ADR/RID-class:</b>	6.1
<b>UN-no:</b>	2810
IMDG	
<b>IMDG-class:</b>	6.1
<b>UN-no:</b>	2810
ICAO/IATA	
<b>ICAO/IATA-class:</b>	6.1
<b>UN-no:</b>	2810 – AIR FREIGHT ALLOWED

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

## PACKAGING & STANDARD FILLING VOLUMES

<b>CCl<sub>3</sub>Br.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>CCl<sub>3</sub>Br.200.DOCK/10.150</b>	200g / 150ccm cyl.
<b>CCl<sub>3</sub>Br.500.DOCK/10.400</b>	500g / 400ccm cyl.
<b>CCl<sub>3</sub>Br.1000.DOCK/10.600</b>	1000g / 600ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE DATA

52.2mbar @ 25°C

93.3mbar @ 37°C

## APPLICATION

III/V MOCVD

Dopant for standard III/V GaAs, InP-based material systems

Si-semiconductors, III/V on Si

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**PRODUCT DATASHEET**

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