

**'DOCK/  
CHEMICALS**

SEMICONDUCTORS DECISION

TBONa

Sodium precursor for CVD and ALD applications

'MO-CVD

BP: 180 °C/356 °F/1 Torr

'TBONa-SODIUMTERTBUTOXIDE

PRODUCT DATASHEET

# 'TBO<sub>Na</sub>-SODIUM TERTBUTOXIDE

## IDENTIFICATION

|                          |                      |
|--------------------------|----------------------|
| <b>CAS-No:</b>           | 865-48-5             |
| <b>EINECS/ELINCS-No:</b> | 212-741-9            |
| <b>Other name:</b>       | Sodium-tert-butylate |

'MO-CVD

## PHYSICAL PROPERTIES

|                        |                                  |
|------------------------|----------------------------------|
| <b>Vapor pressure:</b> | <0.1 mmHg at 25 °C               |
| <b>Density:</b>        | 1.104 g/cm <sup>3</sup> at 25 °C |
| <b>Molweight:</b>      | 96.1 g/mol                       |
| <b>Melting point:</b>  | 263 °C/505 °F (decomposition)    |
| <b>Boiling point:</b>  | 180 °C/356 °F at 1 Torr          |

## CHEMICAL PROPERTIES

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Stability:</b>       | Stable under recommended conditions |
| <b>State of matter:</b> | Solid                               |

## SAFETY & TRANSPORT

|                                |                           |
|--------------------------------|---------------------------|
| <b>Toxicity:</b>               | n.a.                      |
| <b>Explosion limit Vol%:</b>   | n.a.                      |
| <b>Auto ignition temp. °C:</b> | n.a.                      |
| ADR/RID                        |                           |
| <b>ADR/RID-class:</b>          | 4.2 (8), II               |
| <b>UN-no:</b>                  | 3206                      |
| IMDG                           |                           |
| <b>IMDG -class:</b>            | 4.2 (8), II               |
| <b>UN-no:</b>                  | 3206                      |
| ICAO/IATA                      |                           |
| <b>ICAO/IATA-class:</b>        | 4.2 (8), II               |
| <b>UN-no:</b>                  | 3206 – AIRFREIGHT ALLOWED |

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

## PACKAGING & STANDARD FILLING VOLUMES

|                                |                      |
|--------------------------------|----------------------|
| <b>TBONa.100.DOCK/10.150</b>   | 100g / 150ccm cyl.   |
| <b>TBONa.200.DOCK/10.400</b>   | 200g / 400ccm cyl.   |
| <b>TBONa.400.DOCK/10.600</b>   | 400g / 600ccm cyl.   |
| <b>TBONa.800.DOCK/10.1000</b>  | 800g / 1000ccm cyl.  |
| <b>TBONa.2000.DOCK/10.3000</b> | 2000g / 3000ccm cyl. |

## QUALITY STANDARDS

**DG** Development Grade

## VAPOR PRESSURE CURVE

n.a.

## APPLICATION

Sodium precursor for CVD and ALD applications

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**PRODUCT DATASHEET**

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