

# Technical Data Sheet

## Zinc powder

Date Issued: 2025-10-23

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Zinc powder   |
| <b>Product code</b>        | NM-0045-UP  |
| <b>Supplier</b>            | IoLiTec<br>Ionic Liquids Technologies GmbH<br>Im Zukunftspark 9<br>D-74076 Heilbronn<br>Germany |
| <b>Telephone</b>           | +49 (0)7131 - 898390  |
| <b>Fax</b>                 | +49 (0)7131 - 89839109  |
| <b>Emergency telephone</b> | +49 (0)151-41255671   |

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Ingredient name</b>       | Zinc powder, partially passivated [O] |
| <b>Empirical Formula</b>     | Zn                                    |
| <b>CAS No.</b>               | 7440-66-6                             |
| <b>Molecular weight</b>      | 65.39 amu                             |
| <b>Purity</b>                | 99.7%                                 |
| <b>Average Particle Size</b> | 40 - 60 nm (TEM)                      |
| <b>Specific Surface Area</b> | 12 m <sup>2</sup> /g                  |
| <b>Color</b>                 | black-gray                            |
| <b>Bulk Density</b>          | 0.20-0.40 g/cm <sup>3</sup>           |
| <b>True Density</b>          | 7.14 g/cm <sup>3</sup>                |
| <b>Melting point</b>         | 419.5°C                               |

# Technical Data Sheet

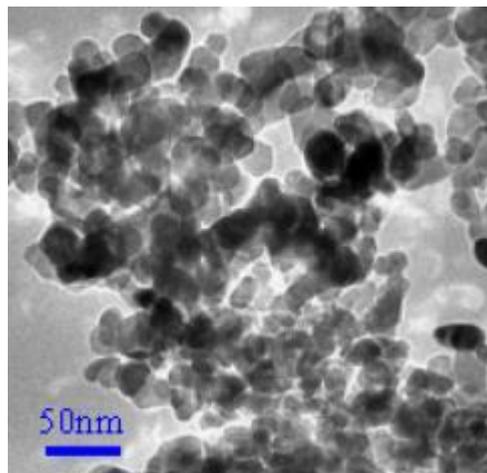
## Zinc powder

Date Issued: 2025-10-23

### 3 SPECIFICATIONS

| Components | Content (%) |
|------------|-------------|
| Al         | < 0.01      |
| Si         | < 0.01      |
| S          | < 0.01      |
| Cl         | < 0.015     |
| Ca         | < 0.01      |
| Fe         | < 0.015     |
| Ni         | < 0.01      |
| Cu         | < 0.015     |
| Ag         | < 0.01      |

### 4 TRANSMISSION ELECTRON MICROSCOPY



# Technical Data Sheet

## Zinc powder

Date Issued: 2025-10-23

---

### 6 OTHER INFORMATION

#### **Warning!**

Zinc is a combustible solid. See MSDS for specific details.

#### DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USERE'S RESPONISIBILTY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IT IS THE USERE'S RESPONISIBILTY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.