

## TECHNICAL DATA SHEET

### Zirconium Nitrate Solution 20%

#### Product Information

Formula:  $Zr_{(a)}O_{(x)}(NO_3)_{(y)}$   
Physical Appearance: Clear/Pale Yellow Liquid  
Molecular Weight: 339.24 g/mol  
(a=1, x=0, y=4)  
EC No: 948-229-3

#### Hazard Information

UN No: UN3264  
Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S  
Hazard Class: 8  
Environmentally hazardous/marine pollutant  
Packing Group: II  
REACH No: 01-2120773706-44-0000  
Tariff No: 28342980

#### Specification

**ZrO<sub>2</sub>+HfO<sub>2</sub>:** 19 - 21%  
**ZrO<sub>2</sub>/HNO<sub>3</sub> Ratio:** 1.0 – 2.0 Nominal  
**Na<sub>2</sub>O:** <750 ppm  
**SO<sub>4</sub>:** <750 ppm  
**TiO<sub>2</sub>:** <20 ppm  
**SiO<sub>2</sub>:** <100 ppm  
**Cl:** <750 ppm  
**Specific gravity:** 1.42 – 1.45

#### Packing Options

1,000 ltr IBC – 1,400 kg  
Road Tankers – 26,000 kg

Shelf Life – 2 Years

In the original containers and stored  
as instructed on the MSDS