



## OPAL

**Company:**

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### 1 – Identification of the substance

**Product Name:** **Opal**  
**Synonym:** Aqueous suspension.  
**Product Code:** **6900207**

**Recommended use of the chemical and restrictions on use**

**Recommended use:** **Industrial use.**  
**Restrictions on use:** **Reserved for industrial and professional use.**

### 2 – Hazards Identification

**GHS Classification:** Not a hazardous substance or mixture.

**GHS Label element:** Not a hazardous substance or mixture.

**Other hazards which do not result in classification:** None known.

### 3 – Composition / Information on ingredients

**Substance / mixture:** Mixture.

**Chemical nature:** Metal oxide/hydroxide, water, inorganic salt

**Hazardous components:** No hazardous ingredients.

### 4 – First Aid Measures

**General advice:** Consult a physician.

**If inhaled:** Remove to fresh air.  
 If unconscious place in recovery position and seek medical advice.  
 Never give anything by mouth to an unconscious person.

**In case of skin contact:** Wash off immediately with soap and plenty of water.  
 If a person feels unwell or symptoms of skin irritation appear, consult a physician.

**In case of eye contact:** Rinse immediately with plenty of water and seek medical advice.

**If swallowed:** Do NOT induce vomiting.  
 Rinse immediately with plenty of water and seek medical advice.

**Most important symptoms and effects, both acute and delayed:** None known.

## 5 – Fire Fighting Measures

|   |   |
|---|---|
| <b>Suitable extinguishing media:</b>                  | Use water spray, alcohol-resistant foam, dry chemical or carbon oxide.  |
| <b>Specific hazards during firefighting:</b>          | Do not use a solid water stream as it may scatter and spread fire.<br>Cool closed containers exposed to fire with water spray.                    |
| <b>Hazardous combustion products:</b>                 | No hazardous combustion products are known.   |
| <b>Further information:</b>                           | Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Special protective equipment for firefighters:</b> | In the event of fire, wear self-contained breathing apparatus.  |

## 6 – Accidental Release Measures

|   |   |
|---|---|
| <b>Personal precautions, protective equipment and emergency procedures:</b> | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Evacuate personnel to safe areas.<br>No conditions to be specially mentioned. |
| <b>Environmental precautions:</b>   | No special environmental precautions required.  |
| <b>Methods and materials for containment and cleaning up:</b>               | Keep in suitable, closed containers for disposal.<br>Clean contaminated floors and objects thoroughly while observing environmental regulations.    |

## 7- Handling and Storage

|                                    |   |
|------------------------------------|---|
| <b>Advice on safe handling:</b>    | For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.            |
| <b>Conditions of safe storage:</b> | Keep in a dry, cool and well-ventilated place.  |
| <b>Materials to avoid:</b>         | No special restrictions on storage with other products.<br>No materials to be especially mentioned.<br>Do not store near acids. |

## 8 – Exposure Controls / Personal Protection

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

|                                      |   |
|--------------------------------------|---|
| <b>Engineering measures:</b>         | Apply technical measures to comply with the occupational exposure limits.<br>Provide adequate ventilation.  |
| <b>Personal protective equipment</b> |   |
| Respiratory protection:              | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  |
| Hand protection:                     | For prolonged or repeated contact use protective gloves.  |
| Eye protection:                      | Safety glasses.<br>Ensure that eyewash stations and safety showers are close to the workstation location.   |
| Skin and body protection:            | Protective suit.<br>When using do not eat, drink or smoke.  |
| Protective measures:                 | Wear suitable protective equipment.   |
| Hygiene measures:                    | Remove contaminated clothing and protective equipment before entering eating areas.<br>Wash hands before breaks and immediately after handling the product. |

## 9 – Physical and Chemical Properties

|                                    |                   |  |                   |
|------------------------------------|-------------------|--|-------------------|
| <b>Appearance</b>                  | Liquid            | <b>Relative density</b>                                    | No data available |
| <b>Color</b>                       | White             | <b>Density</b>   | No data available |
| <b>Odor</b>                        | Odorless          | <b>Bulk density</b>  | No data available |
| <b>Odor threshold</b>              | No data available | <b>Solubility - Water solubility<br/>In other solvents</b> | No data available |
| <b>pH</b>                          | 3.6               |  | Not determined    |
| <b>Melting point/range</b>         | No data available | <b>Partition coefficient: n-octanol/water</b>              | No data available |
| <b>Boiling point/boiling range</b> | 100 °C            | <b>Auto-ignition temperature</b>                           | Not determined    |
| <b>Flash point</b>                 | No data available | <b>Decomposition temperature</b>                           | No data available |
| <b>Evaporation rate</b>            | No data available | <b>Viscosity, kinematic</b>                                | No data available |
| <b>Upper explosion limit</b>       | No data available | <b>Oxidizing properties</b>                                | No data available |
| <b>Lower explosion limit</b>       | No data available | <b>Refractive index</b>                                    | No data available |
| <b>Vapor pressure</b>              | No data available | <b>Volatile organic compounds<br/>(VOC) content*</b>       | Not applicable    |
| <b>Relative vapor density</b>      | No data available |  |                   |

\*This product does not contain any chemicals listed under the U.S.

Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

## 10 – Stability and Reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | Stable under recommended storage conditions.<br>No decomposition if stored and applied as directed. |
| <b>Chemical stability:</b>                 | No decomposition if stored and applied as directed.   |
| <b>Possibility of hazardous Reactions:</b> | No dangerous reaction known under conditions of normal uses.  |
| <b>Conditions to avoid:</b>                | Incompatible materials.   |
| <b>Incompatible material:</b>              |   |
| Materials to avoid:                        | Incompatible with oxidizing agents.<br>Incompatible with strong acids and bases.                    |
| <b>Hazardous decomposition products:</b>   | No decomposition if stored and applied as directed.   |

## 11 – Toxicological Information

### Information on likely routes of exposure

Inhalation (dust/mist/fume)

Skin

Eye contact

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | Not classified based on available information.  |
| <b>Product:</b>                          |   |
| Acute oral toxicity:                     | Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method.   |
| <b>Skin corrosion/irritation</b>         | Not classified based on available information.  |
| <b>Serious eye damage/eye irritation</b> | Not classified based on available information.  |
| <b>Respiratory or skin sensitization</b> |   |
| Skin sensitization:                      | Not classified based on available information.  |
| Respiratory sensitization:               | Not classified based on available information.  |
| <b>Gem cell mutagenicity</b>             | Not classified based on available information.  |
| <b>Carcinogenicity</b>                   | Not classified based on available information.  |
| <b>IARC</b>                              | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| <b>OSHA</b>                              | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |

|                                 |   |
|---------------------------------|---|
| <b>NTP</b>                      | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| <b>Reproductive toxicity</b>    | Not classified based on available information.  |
| <b>STOT - single exposure</b>   | Not classified based on available information.  |
| <b>STOT - repeated exposure</b> | Not classified based on available information.  |
| <b>Aspiration toxicity</b>      | Not classified based on available information.  |

## 12 – Ecological information

### Ecotoxicity

#### Product:

Ecotoxicology assessment

Acute aquatic toxicity:

This product has no known ecotoxicological effects.

Chronic aquatic toxicity:

This product has no known ecotoxicological effects.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

#### Product:

Ozone-Depletion Potential:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## 13 – Disposal Considerations

### Disposal methods

Waste from residues:

Dispose of wastes in an approved waste disposal facility.

Contaminated packaging:

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14 – Transport information

### International regulation

**UNRTDG**

Not regulated as a dangerous good.

**IATA-DGR**

Not regulated as a dangerous good.

**IMDG-Code**

Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National regulations**

**49 CFR**

Not regulated as a hazardous material.

## 15 – Regulatory information

**TSCA list:**

TSCA 5a - Not relevant.

TSCA 12b - Not relevant.

**EPCRA - Emergency Planning and Community Right-to-Know Act.**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 - Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a 304 EHS RQ

|   |  |
|---|--|
| <b>SARA 311/312 Hazards:</b>  | No SARA Hazards.   |
| <b>SARA 302:</b>  | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.                                  |
| <b>SARA 313:</b>  | This material does not contain any chemical components with known CAS  |
| <b>Clean Air Act</b>  |  |
| This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). |  |
| This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).  |  |
| This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).          |  |
| This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).                         |  |
| <b>Clean Water Act</b>  |  |
| This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.  |  |
| This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.  |  |
| This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307  |  |
| <b>Massachusetts Right to Know:</b>   | No components are subject to the Massachusetts Right to Know Act.  |
| <b>Pennsylvania Right to Know:</b>  | This product contains components that are reportable under the regulation.   |
| <b>New-Jersey Right to Know:</b>  | This product contains components that are reportable under the regulation.   |
| <b>California Prop 65:</b>  | This product does not contain any chemicals known to State of California to cause cancer, birth effects, or any other reproductive harm. |

**The components of this product are reported in the following inventories:**

|                          |   |
|--------------------------|---|
| EINECS (European Union): | On the inventory, or in compliance with the inventory.        |
| SWISS (Switzerland):     | On the inventory, or in compliance with the inventory.        |
| TSCA:                    | On TSCA inventory.  |
| DSL/NDSL (Canada):       | This product contains components listed on the Canadian NDSL. |
| AICS (Australia):        | Not in compliance with the inventory.                         |
| NZIoC (New Zealand):     | On the inventory, or in compliance with the inventory.        |
| ENCS (Japan):            | On the inventory, or in compliance with the inventory.        |
| ISHL (Japan):            | Not in compliance with the inventory.                         |
| KECI (Korea):            | On the inventory, or in compliance with the inventory.        |
| PICCS (Philippines):     | On the inventory, or in compliance with the inventory.        |
| IECSC (China):           | On the inventory, or in compliance with the inventory.        |
| TCSI (Taiwan):           | On the inventory, or in compliance with the inventory.        |

## 16 – Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.