



The Chemical Company

Material Safety Data Sheet

MSDS Code: OFS

## Mearlite® Ultra Fine OFS

Revision date: 02/09/07

Date Printed: 07/03/07

**NFPA Classification:**

Health: 1

Flammability: 1

Instability: 0

Special Hazards:

**HMIS Classification:**

Health: 1

Flammability: 1

Physical Hazard: 0

Personal Protection: B

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** Not Applicable.

**Chemical Name:** Chemical Mixture

**Formula:** Chemical Mixture

**Product Use:** Industrial pigment.

**Supplier:** BASF Corporation  
100 Campus Drive  
Florham Park, NJ 07932

For Chemical Emergency Call:  
BASF Hotline: 1-800-832-HELP  
CHEMTREC (24 hours):  
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)  
1-703-527-3887 (Outside Above Area)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient<br>CAS Number                    | Weight in Percent (%) | Notes |
|---|-----------------------|-------|
| Technical white oils<br>8042-47-5           | 16.0 - 20.0           | None. |
| Alkyd resin (dry)                           | 6.0 - 10.0            | None. |
| Aliphatic hydrocarbon solvent<br>64741-44-2 | 1.0 - 3.0             | None. |
| Surfactants                                 | 1.0 - 3.0             | None. |
| Bismuth Oxychloride<br>7787-59-9            | 68.0 - 72.0           | None. |

**Other Information:**

NOTE: The percentage by weight values reported for this product represent approximate formulation values.

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:**

**Color:** Silver/white  
**Form:** Paste  
**Odor:** Characteristic Solvent Odor  
**Flash Point, °C:** >129.4 (Closed Cup)

**Most Important Hazards:** May cause irritation of the respiratory tract. Prolonged or repeated exposure to dust or fume may cause lung injury. May result in bronchitis, lung congestion and pulmonary edema. May irritate eyes. May cause irritation of the mouth, throat and stomach. May cause pain, nausea, vomiting and diarrhea. Prolonged or repeated exposure effects: Aspiration can be a hazard if this material is swallowed. Aspiration (breathing) of vomitus into lungs may result in pneumonitis. May cause central nervous system depression.

**Potential Health Effects:**

**Inhalation:** Exposure to dust mists or vapors may cause severe respiratory tract irritation. Prolonged or repeated exposure to fumes may cause lung injury. Severe exposures may result in bronchitis, pulmonary edema or pneumonitis.

**Ingestion:** Low toxicity due to low solubility. May be harmful if large amounts are swallowed. May cause pain, nausea, vomiting and diarrhea. May cause central nervous system depression.

**Skin Contact:** May cause mild skin irritation. Prolonged contact may cause dermatitis.

**Eye Contact:** May irritate eyes. May cause abrasive injury. Causes redness and tearing.

**Other Effects:** NOTE: Ingestion of the product may result in vomiting. Aspiration (breathing) of the vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**Carcinogenicity:**

| Ingredient<br>CAS Number                    | Weight in<br>Percent<br>(%) | NTP<br>(Y/N) | IARC<br>(See Notes) | OSHA<br>(Y/N) | ACGIH<br>(See Notes) |
|---|-----------------------------|--------------|---------------------|---------------|----------------------|
| Technical white oils<br>8042-47-5           | 16.0 - 20.0                 | N            | N                   | N             | N                    |
| Alkyd resin (dry)                           | 6.0 - 10.0                  | N            | N                   | N             | N                    |
| Aliphatic hydrocarbon solvent<br>64741-44-2 | 1.0 - 3.0                   | N            | N                   | N             | N                    |
| Surfactants                                 | 1.0 - 3.0                   | N            | N                   | N             | N                    |
| Bismuth Oxychloride<br>7787-59-9            | 68.0 - 72.0                 | N            | N                   | N             | N                    |

**Notes:**

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

**Chronic Health Hazards:**

Refer to Potential Health Effects.

**Aggravated Medical Conditions:** Eye ailments. Dermal ailments. Pulmonary disorders.

**4. FIRST AID MEASURES**

**Inhalation:** Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

**Ingestion:** If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

**Skin Contact:** Flush area with water while removing contaminated clothing and shoes. Wash with soap and water. Clean contaminated clothing and shoes before reuse. Get medical attention if irritation persists.

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**5. FIRE FIGHTING MEASURES**

**Flash Point, °C:** >129.4 (Closed Cup)  
**Autoignition Temperature, °C:** Not Determined  
**Lower Explosive Limit, %:** Not Determined  
**Upper Explosive Limit, %:** Not Determined

**Extinguishing Media:** Water mist. Carbon dioxide. Dry chemical. Foam.

**Fire Fighting Procedures:** Positive pressure, self-contained breathing apparatus. Wear full protective clothing.

**Unusual Fire and Explosion Hazards:** Toxic vapors are emitted in a fire condition.

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Contain spillage. Soak up spill using an absorbent. Scoop into a suitable container.

**7. HANDLING AND STORAGE**

- Keep container closed.
- Store in a cool, dry location away from incompatible materials.
- Use only with adequate ventilation.
- Avoid generating or breathing dust, mist or fumes.
- Wash thoroughly after handling.
- Do not allow solution to evaporate to dryness.
- Do not eat, drink, or smoke in work area.
- Use with adequate ventilation.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

| <b>Ingredient<br/>CAS Number</b>            | <b>Weight in<br/>Percent<br/>(%)</b> | <b>OSHA PEL</b>                | <b>ACGIH TLV</b>  |
|---|--------------------------------------|--------------------------------|---|
| Technical white oils<br>8042-47-5           | 16.0 - 20.0                          | 5 mg/m <sup>3</sup> (Oil mist) | 5 mg/m <sup>3</sup> (Oil mist)<br>10 mg/m <sup>3</sup> STEL |
| Alkyd resin (dry)                           | 6.0 - 10.0                           | None Established               | None Established  |
| Aliphatic hydrocarbon solvent<br>64741-44-2 | 1.0 - 3.0                            | None Established               | None Established  |
| Surfactants                                 | 1.0 - 3.0                            | None Established               | None Established  |
| Bismuth Oxychloride<br>7787-59-9            | 68.0 - 72.0                          | None Established               | None Established  |

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 2006 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

**Personal Protective Equipment:** Safety glasses with side shields. Wear suitable gloves. Wear clean, body-covering clothing.

**Respiratory Protection:** Use a NIOSH/MSHA approved respirator as necessary to protect from: dust/mist. If respiratory protection is used, follow all requirements for respiratory programs set forth in OSHA regulations (29 CFR 1910.134).

**Ventilation:** General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Paste  
**Color:** Silver/white  
**Odor:** Characteristic Solvent Odor

**Boiling Point, °C:**  
**Density:** 2.0Kg/L  
**Bulk Density:** Not determined  
**Vapor Pressure:** Not known.  
**Specific Gravity:** 2.0  
**Solubility (in water):** Insoluble  
**pH:** Not soluble in water.

**10. STABILITY AND REACTIVITY**

**Stability Data:** Stable

**Conditions/Hazards to Avoid:** Avoid contact with heat, sparks, open flame, and static discharge.

**Incompatibility (Materials to Avoid):** Strong acids or alkalis. Strong oxidizing agents.

**Hazardous Decomposition Products:** Oxides of carbon.

**Polymerization:** None anticipated.

**Polymerization - Avoid:** None anticipated.

**11. TOXICOLOGICAL INFORMATION**

**Information on Product:**  
 No data available.

**Information on Components:**

| Ingredient<br>CAS Number                    | Weight in<br>Percent<br>(%) | Acute Toxicity -<br>Oral | Acute Toxicity -<br>Inhalation | Acute Toxicity -<br>Dermal | Acute Toxicity -<br>Other |
|---|-----------------------------|--------------------------|--------------------------------|----------------------------|---------------------------|
| Technical white oils<br>8042-47-5           | 16.0 - 20.0                 | Not Available            | Not Available                  | Not Available              | Not Available             |
| Alkyd resin (dry)                           | 6.0 - 10.0                  | Not Available            | Not Available                  | Not Available              | Not Available             |
| Aliphatic hydrocarbon solvent<br>64741-44-2 | 1.0 - 3.0                   | Not Available            | Not Available                  | Not Available              | Not Available             |
| Surfactants                                 | 1.0 - 3.0                   | Not Available            | Not Available                  | Not Available              | Not Available             |
| Bismuth Oxychloride<br>7787-59-9            | 68.0 - 72.0                 | 22 g/kg (rat)            | Not Available                  | Not Available              | Not Available             |

**12. ECOLOGICAL INFORMATION**

**Information on Product:**

**Environmental Fate:** No data available.

**Ecotoxicological Information:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**US EPA Waste Number:** Not Regulated

**Disposal of Waste Method:** Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

**14. TRANSPORT INFORMATION**

**International Transport Regulations:**

**ICAO Class:** Not Regulated

**IMO Class:** Not Regulated

**US Transportation Regulations:**

**DOT Classification:** Not Regulated

**Proper Shipping Name:** Not Regulated

**Canadian Transportation of Dangerous Goods (TDG):**

**TDG Classification:** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories:**

**United States:** This product or its ingredients are listed on or compliant with the TSCA Inventory.  
**Canada:** This product or its ingredients are listed on or compliant with the DSL.  
**Europe:** This product or its ingredients are listed on or compliant with EINECS.  
**Japan:** Not Determined  
**Australia:** This product or its ingredients are listed on or compliant with AICS.  
**Korea:** This product or its ingredients are listed on or compliant with the ECL.  
**Philippines:** This product or its ingredients are listed on or compliant with PICCS.  
**China:** This product or its ingredients are listed on or compliant with the IECSC.

**US Federal Regulations:**

| <b>Ingredient CAS Number</b>                | <b>Weight in Percent (%)</b> | <b>Subject to SARA 313 Reporting</b> |
|---|------------------------------|--------------------------------------|
| Technical white oils<br>8042-47-5           | 16.0 - 20.0                  | No                                   |
| Alkyd resin (dry)                           | 6.0 - 10.0                   | No                                   |
| Aliphatic hydrocarbon solvent<br>64741-44-2 | 1.0 - 3.0                    | No                                   |
| Surfactants                                 | 1.0 - 3.0                    | No                                   |
| Bismuth Oxychloride<br>7787-59-9            | 68.0 - 72.0                  | No                                   |

**SARA 311/ 312 Hazard Categories:**

Acute Health Hazard                      Chronic Health Hazard

**CAA 602 Ozone Depleting Substances (ODS):**

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

**VOC Content:** 1-3%

**US State Regulations:**

**VOC Content (CARB):** 1-3%

**Canadian Regulations:**

**WHMIS Classification:**

Class D Division 2 Subdivision B

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

**16. OTHER INFORMATION**

**Revision number:** 3

**Section(s) Revised in this Version:** Section 1: Chemical Product and Company Identification  
Section 3: Hazards Identification  
Section 15: Regulatory Information  
Section 16: Other Information

**Prepared By:** Corporate Environmental Health & Safety Group

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