

# Material Safety Data Sheet

## Organoclay Plus

### I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Organoclay Plus  
Generic Description: Organophilic Clay

Date Prepared: 7/2010

#### Supplier:

#### NOV FluidControl

4310 N Sam Houston Parkway East  
Houston, Texas 77032 USA  
Office: (713) 482-0500  
Fax: (713) 482-0695  
Company website: [www.nov.com](http://www.nov.com)

#### Emergency Telephone Number:

**CHEMTREC: 1-800-424-9300 or International +1-703-527-3887**

### II. COMPOSITION

| Material or Component | CAS Number | OSHA PEL | Percentage |
|-----------------------|------------|----------|------------|
| Organophilic Clay     |            |          | 100%       |
| Crystalline Silica    | 14808-60-7 |          | 2-6        |
| Isopropanol           | 67-63-0    |          | 1-5        |

### III. HAZARDS IDENTIFICATION

**Hazard Data:** Low concentrations of crystalline silica (SiO<sub>2</sub>) in the form of quartz, cristobalite or tridymite may be present.

IARC Overall Evaluation: Inhaled crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

The OSHA Permissible Exposure Limits from Table Z-3 Mineral Dusts are:

Crystalline Silica

Quartz (Respirable) 10 mg/m<sup>3</sup>  
% SiO<sub>2</sub> + 2

Quartz (Total Dust) 30 mg/m<sup>3</sup>  
% SiO<sub>2</sub> + 2

If cristobalite or tridymite is detected, use one half the value calculated from formulae for quartz.

Isopropanol OSHA PEL is 400 ppm.

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**Eyes:** Dust may cause irritation and/or redness to the eyes.

**Skin:** Dust may be irritating to the skin.

**Ingestion:** Not anticipated route of exposure. No adverse effects for normal, incidental ingestion.

**Inhalation:** Crystalline silica in airborne dust is variable depending on fineness of product, local humidity and wind conditions at point of use.

Acute: Breathing silica dust may cause irritation of the nose, throat and respiratory passages.

Chronic: Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may also cause silicosis.

Cancer Status: The International Agency for Research on Cancer (IARC) has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1-carcinogenic to humans). The National Toxicology Program (NTP) classifies respirable crystalline silica as "known to be a human carcinogen". The American Conference of Governmental Industrial Hygienists (ACGIH) classified crystalline silica, quartz, as a suspected human carcinogen (A2)

**Chronic Health Effects:** See Inhalation Subsection above.

**Medical Conditions Aggravated by Exposure:**

Individuals with respiratory disease, including but not limited to, asthma and bronchitis, or subject to eye irritation should not be exposed to respirable dust.

#### IV. FIRST AID MEASURES

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**Eyes:** Flush thoroughly with large amounts of running water for at least 15 minutes. Get medical advice if irritation develops.

**Skin:** Wash exposed area with soap and water. Get medical advice if irritation develops.

**Ingestion:** If large amounts were ingested get medical advice.

**Inhalation:** Remove person to fresh air. Get medical attention for any breathing difficulty.

**Advice to Physicians:** Treat symptomatically.

#### V. FIRE AND EXPLOSION DATA

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**Flash Point/Range:** Not Applicable

**Flammability Limits:** Not Applicable

**Fire Extinguishing Media:** Use media applicable to surrounding material (this product will not support combustion).

**Special Fire Fighting Procedures:** None.

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## VI. ACCIDENTAL RELEASE MEASURES

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- Release or Spill:** Collect using dustless method and place in suitable container for reuse or disposal. Material is slippery when wet.
- Personal Precautions:** Wear appropriate protective equipment.
- Environmental Precautions:** None.

## VII. HANDLING AND STORAGE

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**Handling:** Precaution – This product may contain crystalline silica. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Wear a NIOSH approved respirator or equivalent when using this product.

Danger – Breathing crystalline silica can cause lung disease, including silicosis and lung cancer.

**Storage:** Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Do not reuse empty container. Avoid moisture.

## VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

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**Ventilation Requirements:** Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits listed in Section 3.

**Respiratory Protection:** Use NIOSH approved mechanical filter respirator when dust levels exceed applicable exposure limits.

**Skin Protection:** Work gloves optional.

**Eye Protection:** Wear safety glasses or safety goggles. Maintain eye wash station in work area.

**Other Precautions:** As appropriate for work area. Dusty clothing should be laundered before reuse.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

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|   |                    |
|---|--------------------|
| <b>Physical State</b>                     | Powder             |
| <b>Color</b>                              | Tan, Gray or Cream |
| <b>Odor</b>                               | None               |
| <b>pH</b>                                 | Not applicable     |
| <b>Specific Gravity</b>                   | 1.6                |
| <b>Boiling Range/Point</b>                | Not applicable     |
| <b>Flash Point</b>                        | Not applicable     |
| <b>Explosion Limits (%)</b>               | Not applicable     |
| <b>Density @20C (uncompacted)</b>         | 35-57              |
| <b>Solubility in Water</b>                | Insoluble          |
| <b>Vapor Density (Air=1)</b>              | Not applicable     |
| <b>Evaporation Rate (butyl acetate=1)</b> | Not applicable     |

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## X. STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions of use and storage.  
**Materials to Avoid:** None  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition:** None.

## XI. TOXICOLOGICAL INFORMATION

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Oral Toxicity: LD50: >5000 mg/kg (Rat)  
 Cancer Status: Crystalline silica is listed on NTP, IARC and OSHA as carcinogen.

## XII. ECOLOGICAL INFORMATION

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No ecotoxicity data is available. This product is not expected to present an environmental hazard.

## XIII. DISPOSAL

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Dispose of material in accordance with all local, state, and federal regulations.

## XIV. TRANSPORTATION INFORMATION

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**UN Proper Shipping Name:** Not regulated  
**UN Label:** None  
**UN Number:** None  
**Hazardous Ingredients:** None  
**Placards:** None  
**Reportable Quantity:** None

## XV. REGULATORY INFORMATION

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|                                       |  |
|---------------------------------------|--|
| <b>TSCA Listed</b>                    | Yes  |
| <b>SARA Title III Section 302</b>     | No   |
| <b>SARA Title III Section 311/312</b> | Yes -Delayed/Chronic Health Hazard   |
| <b>SARA Title III Section 313</b>     | No   |
| <b>Canada DSL Inventory</b>           | Yes  |
| <b>WHMIS Hazard Class</b>             | WHMIS Class D, Div. 2, Subdivision A (Quartz)  |
| <b>California</b>                     | California Prop 65. This product contains crystalline silica (respirable) which is known to the State of California to cause cancer. |

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**XVI. OTHER INFORMATION**

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**NFPA Hazard Codes:** Health 1; Flammability 0; Reactivity 0  
Ratings based on NPFA

**Abbreviations**

N/A: Denotes no applicable information found or available  
CAS#: Chemical Abstracts Service Number  
ACGIH: American Conference of Governmental Industrial Hygienists  
NIOSH: National Institute for Occupational Safety & Health  
OSHA: Occupational Safety and Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
NTP: National Toxicology Program  
IARC: International Agency for Research on Cancer

**DISCLAIMER:**

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