

# MATERIAL SAFETY DATA

The Euclid Chemical Company • Cleveland, Ohio 44110

FOR TRANSPORTATION & SAFETY EMERGENCIES CALL: 1-800-255-3924  
INTERNATIONAL USERS CALL COLLECT: 1-813-248-0585

TRADE NAME  
Surflex (Colored)

CHEMICAL NAME  
Silica Sand Cement/Sand Mixture

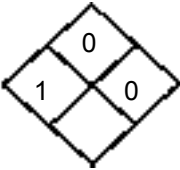
## 1. INGREDIENTS

| MATERIAL                     | CAS #      | %     | ACGIH(TLV)                               | PEL                   |
|------------------------------|------------|-------|--|-----------------------|
| Crystalline Silica, (Quartz) | 14808-60-7 | 60-70 | 0.1 mg/m <sup>3</sup><br>Respirable Dust | 10 mg/m <sup>3</sup>  |
| Portland Cement              | 65997-15-1 | 30-40 | 10 mg/m <sup>3</sup><br>Total Dust       |                       |
| Iron Oxide (Black)           | 1317-61-9  | 0 - 5 | -  |                       |
| Iron Oxide                   | 1309-37-1  | 0 - 5 | 5 mg/m <sup>3</sup> (dust & fumes)       |                       |
| Chrome(III) Oxide            | 1308-38-9  | 0 - 5 | 0.5 mg/m <sup>3</sup>                    | 0.5 mg/m <sup>3</sup> |

## 2. PHYSICAL DATA

|                              |                                       |                  |                                 |                     |
|------------------------------|---------------------------------------|------------------|---------------------------------|---------------------|
| APPEARANCE<br>Colored powder | ODOR<br>None                          | MELTPOINT<br>NA  | SPECIFIC GRAVITY<br>2.70 - 2.90 |                     |
| VAPOR DENSITY (AIR=1)<br>NA  | %VOLATILE BY WEIGHT<br>None           | VOC<br>0 g/l     | BULK DENSITY<br>NA              | BOILING POINT<br>NA |
| VAPOR PRESSURE<br>NA         | %SOLUBILITY(H <sub>2</sub> O)<br>None | EVAPORATION RATE | PH                              |                     |

## 3. FIRE AND EXPLOSION HAZARD DATA

|  |   |
|--|---|
| FLASH POINT & METHOD<br>NA               | NFPA FIRE HAZARDS<br>IDENTIFICATION SYSTEM<br> |
| FLAMMABLE LIMITS<br>LEL NA UEL NA        |   |
| EXTINGUISHING MEDIA<br>NA                |   |
| SPECIAL FIRE FIGHTING PROCEDURES<br>NA   |   |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br>NA |   |

## 4. PHYSIOLOGICAL EFFECTS

|   |                                  |   |
|---|----------------------------------|---|
| LD50 ORAL (INGESTION)<br>NE                           | LD50 DERMAL (SKIN CONTACT)<br>NE | LC50 (INHALATION)<br>30 mpp/cf (cement) |
| PRIMARY ROUTE OF EXPOSURE<br>Eye, skin and inhalation | THRESHOLD LIMIT VALUE (TLV)      |   |

### EFFECTS OF OVEREXPOSURE

Inhalation: Chronic exposure may cause bronchitis and emphysema.  
Eye: May cause burning and corneal edema.  
Skin: May cause irritation, burns and tissue damage.  
Ingestion: May cause caustic burns on the mouth, esophagus, stomach.

**WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.



THE EUCLID CHEMICAL COMPANY  
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1-800-321-7628 OR 216-531-9222

NE - NOT ESTABLISHED  
NA - NOT APPLICABLE

## 5. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. Monitor for respiratory distress. Give oxygen if necessary. Call a Physician or Poison Control Center if symptoms occur.

Eye: Irrigate eye for 15 minutes. If pain, irritation or burning persists, seek medical attention.

Skin: Wash area twice with soap and water. If irritation arises, seek medical attention.

Ingestion: Administer milk or water. DO NOT induce vomiting. DO NOT give anything orally to an unconscious person. Call a Physician or Poison Control Center immediately.

## 6. U.S. D.O.T. SHIPPING DESCRIPTION

Cement Compound, NOI, Building or Floor, Dry, Class 55

## 7. SPECIAL PROTECTION INFORMATION

### VENTILATION

Use with adequate fresh air.

### RESPIRATORY

Use a dust mask. If exposure limits listed in Section One are exceeded, use an air purifying respirator equipped with a NIOSH certified particulate (HEPA preferred) filter according to 29 CFR 1910.134.

### EYE PROTECTION

Yes

### PROTECTIVE GLOVES

Yes (rubberized)

### OTHER

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

## 8. CHEMICAL REACTIVITY

### CONDITIONS CAUSING INSTABILITY

None

### INCOMPATIBILITY (MATERIALS TO AVOID)

None

### HAZARDOUS DECOMPOSITION PRODUCTS

None

### SPECIAL SENSITIVITY

None

## 9. STORAGE INFORMATION

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Always store material on pallets in a dry location.

## 10. SPILL, LEAK, AND DISPOSAL INFORMATION

### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED

Sweep up and dispose of in standard landfill.

### WASTE DISPOSAL METHOD

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

### PREPARED BY

Rich Mikol

### DATE

09/20/04

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Surflex (Colored)

### TELEPHONE NUMBER

216-531-9222

### SUPERSEDES MSDS DATED

05/27/03

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.