1. Identification

Product identifier used on the label

Irgalite® Orange D 2975

Recommended use of the chemical and restriction on use

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF Colors & Effects USA LLC
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: organic pigment

2. Hazards Identification


Classification of the product

Combustible Dust
Combustible Dust (1)
Combustible Dust

Label elements

Signal Word:
Warning

Hazard Statement:
May form combustible dust concentration in air.
Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.


**Emergency overview**

CAUTION:
CAN FORM EXPLOSIVE DUST-AIR MIXTURES.
Avoid inhalation of dusts.
Use with local exhaust ventilation.
Wear protective clothing.

3. Composition / Information on Ingredients


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1332-58-7</td>
<td>&gt;= 1.0 - &lt;= 5.0%</td>
<td>Kaolin</td>
</tr>
<tr>
<td>6505-28-8</td>
<td>&gt;= 75.0 - &lt;= 100.0%</td>
<td>Butanamide, 2,2'-(3,3'-(3,3'-dimethoxy(1,1'-biphenyl)-4,4'-diyl)bis(azo))bis(3-oxy-N-phenyl)-</td>
</tr>
</tbody>
</table>


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</table>

4. First-Aid Measures

**Description of first aid measures**

**General advice:**
Remove contaminated clothing.

**If inhaled:**
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**
Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**
Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If swallowed:**
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No significant reaction of the human body to the product known.
Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Additional information:
Avoid whirling up the material/product because of the danger of dust explosion.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Use personal protective clothing.

Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Avoid raising dust.

7. Handling and Storage

Precautions for safe handling
Breathing must be protected when large quantities are decanted without local exhaust ventilation.
Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:
Avoid dust formation. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.
Avoid all sources of ignition: heat, sparks, open flame.

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### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin</td>
<td>PEL 5 mg/m3 Respirable fraction; PEL 15 mg/m3 Total dust; TWA value 10 mg/m3 Total dust; TWA value 5 mg/m3 Respirable fraction;</td>
<td>TWA value 2 mg/m3 Respirable fraction;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The value is for particulate matter containing no asbestos and &lt;1% crystalline silica.</td>
</tr>
</tbody>
</table>

**Personal protective equipment**

**Respiratory protection:**
Wear a NIOSH-certified (or equivalent) particulate respirator.


**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Safety glasses with side-shields. Wear face shield if splashing hazard exists.

**Body protection:**
Full-body protective clothing

**General safety and hygiene measures:**
Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Eye wash fountains and safety showers must be easily accessible.

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### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>powder</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>Colour</td>
<td>orange</td>
</tr>
<tr>
<td>pH value</td>
<td>5.5 - 6.5</td>
</tr>
<tr>
<td>(10 g/l, 25 °C)</td>
<td>(10 g/l, 25 °C)</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>(decomposition)</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>not self-igniting</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

**Reactivity**
No hazardous reactions if stored and handled as prescribed/indicated.

**Chemical stability**
The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**
Dust explosion hazard.

**Conditions to avoid**
> 250 degrees Celsius
See MSDS section 7 - Handling and storage.

**Incompatible materials**
strong oxidizing agents

**Hazardous decomposition products**
Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal decomposition**
not determined

11. Toxicological information

**Primary routes of exposure**
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

**Acute toxicity**
Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

**Oral**
Type of value: LD50  
Species: rat  
Value: > 2,000 mg/kg

**Inhalation**  
Type of value: LC50  
not determined

**Dermal**  
Type of value: LD50  
not determined

**Irritation / corrosion**  
Assessment of irritating effects: Not irritating to eyes and skin.

**Skin**  
Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 404

**Eye**  
Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 405

**Sensitization**  
Assessment of sensitization: Not expected to cause skin sensitization.

**Aspiration Hazard**  
not applicable

**Chronic Toxicity/Effects**

**Repeated dose toxicity**  
Assessment of repeated dose toxicity: No data available.

**Genetic toxicity**  
Assessment of mutagenicity: No data available concerning mutagenic effects.

**Carcinogenicity**  
Assessment of carcinogenicity: No data available.

**Reproductive toxicity**  
Assessment of reproduction toxicity: No data available.

**Teratogenicity**  
Assessment of teratogenicity: No data available.

**Other Information**  
The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

**Symptoms of Exposure**  
No significant reaction of the human body to the product known.
12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. At the present state of knowledge, no negative ecological effects are expected.

Toxicity to fish
LC50 (96 h), Fish not determined

Aquatic invertebrates
LC50 (48 h), daphnia not determined

Aquatic plants
EC50 (72 h), algae not determined

Chronic toxicity to fish
No data available.

Chronic toxicity to aquatic invertebrates
No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
bacteria/EC50 (0.5 h): not determined

Persistence and degradability

Assessment biodegradation and elimination (H2O)
The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

Additional information

Other ecotoxicological advice:
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

13. Disposal considerations

Waste disposal of substance:
This product does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. Dispose of in accordance with local authority regulations.
Container disposal:
Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: none

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Fire (Combustible Dust);

State regulations

State RTK | CAS Number | Chemical name
---|---|---
PA | 1332-58-7 | Kaolin
MA | 1332-58-7 | Kaolin
NJ | 1332-58-7 | Kaolin

CA Prop. 65:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

NFPA Hazard codes:
Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/09/24
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