

Product Identification

Section 1

Product Identifier K8-045

Product Name Standard Grey UC

Synonyms Colorant

Product Usage Floor coating

Company Florock Polymer Flooring
 1120 W Exchange
 Chicago, IL 60609

Phone 773-376-7132

Chemtrec 800-424-9300

Hazard Identification

Section 2

GHS Classifications Aspiration toxicity: Category 1,
 Skin sensitizer: Category 1,
 Skin corrosion: Category 1,
 Eye irritation: Category 1,
 Acute toxicity: Category 4,
 STOT (SE-Respiratory): Category 3,
 STOT (RE): Category 1,
 Carcinogenicity: Category 2,
 Flammable liquid: Category 3,,
 Reproductive toxicity: Category 2,
 Chronic aquatic toxicity: Category 3

Signal Word **Danger**

Pictograms



Hazard Statements H226 Flammable liquid and vapor
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness

H351 Suspected of causing cancer
 H361 Suspected of damaging fertility or the unborn child
 H372 Causes damage to organs through prolonged or repeated exposure
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

P201 Obtain special instructions before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P241 Explosion-proof electrical/ventilating/lighting/equipment.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P285 In case of inadequate ventilation wear respiratory protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor
 P302+P352 If ON SKIN: Wash with plenty of water.
 P333+313 If skin irritation or rash occurs: Get medical attention.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P331 Do NOT induce vomiting.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Additional Hazard Information

Percentage of mixture with unknown Acute Toxicity:
 None

Composition Information of Ingredients

Section 3

| Component | CAS No. | Weight % |
|--|-------------|----------|
| Titanium Dioxide | 13463-67-7 | 20-60 |
| Aromatic Hydrocarbon | 64742-95-6 | 10-40 |
| Isobutyl Isobutyrate | 97-85-8 | 0-5 |
| Toluene (mixture) | 108-88-3 | 0-5 |
| Xylene (mixture) | Mixture | 0-5 |
| Resin Contains <2.5% Monoalkyl (7534-94-3) Contains <2.5% Toluene (108-88-3) | Proprietary | 0-20 |
| Flow additive (mixture) | Proprietary | 0-20 |
| Ammonium Montmorillonite | 68953-58-2 | 0-10 |
| Carbon Black | 1333-86-4 | 0-10 |
| n-Butyl Acetate | 123-86-4 | 0-5 |
| PM Acetate | 108-65-6 | 0-5 |

Where a range is displayed or the exact percentage of the component in the composition has been withheld it is considered a trade secret.

Ingredients not listed on this SDS are considered to be non-hazardous or not classified according to GHS standards.

According to the Globally Harmonized System of hazardous chemicals Titanium Dioxide is not considered hazardous; therefore, it is not included as a relevant ingredient in the process of classifying hazardous chemical mixtures.

| First Aid Measures | | Section 4 |
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| General | Consult a physician. Show the physician this SDS. Move out of dangerous area immediately. Take off all contaminated clothing immediately. |
| Inhalation | Move person to fresh air and breathe normally. If experiencing respiratory symptoms. Call POISON CENTER or doctor. |
| Eyes | Rinse cautiously with water for several minutes. Remove contact lenses if present. Get medical attention. Call POISON CENTER. |
| Ingestion | Immediately call POISON CENTER or physician. DO NOT induce vomiting. Do not eat, taste, or ingest. Rinse mouth if person is conscious. |
| Skin | Get medical attention immediately. Take off all contaminated clothing. Rinse skin with water. Wash with soap and water. If skin irritation or rash occurs get medical attention. |
| Acute | Skin irritation, respiratory irritation |
| Delayed | Repeated exposure may cause skin irritation. Symptoms may be delayed for several hours upon exposure. Seek immediate medical attention. |

| Fire Fighting Measures | | Section 5 |
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| Extinguishing Media | Carbon dioxide (CO ₂), Foam, extinguishing powder, in cases of large fires, water spray should be used. |
| Extinguishing Methods | Water may be used to keep exposed containers cool, and to keep flammable structures wet. Do not use a high volume water jet. |
| Special Protective Equipment | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. During fire-fighting respirator with independent air-supply and airtight garment is required. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters. |

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| Special hazards | Carbon monoxide may form from incomplete combustion. Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, formaldehyde. In the event of fire and/or explosion do not breathe fumes. |
| Important additional information | Containers may explode upon exposure to excessive heat and fire situations. Sealed containers may explode if overheated. Water may be used to keep exposed containers cool, and to keep flammable structures wet. Do not enter fire area without proper protection because hazardous decomposition products may be present. |

Accidental Release Measures

Section 6

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| Personal precautions | <i>Protective equipment:</i> If air test dictates wear approved protective respirator, safety goggles, and chemical resistant gloves. Ensure adequate ventilation. Avoid breathing dust, vapors, spray, and fumes. Avoid skin contact. <i>Emergency procedures:</i> Evacuate personnel to safe areas. Call CHEMTREC at 1-800-424-9300 for assistance and advice |
| Methods for clean up and disposal | Ventilate the contaminated area. Collect the material using absorbents or other equipment required by the size of the release. Decontaminate the area, collecting any cleaning and rinsing media for proper reclamation or disposal. Soak up with an absorbent and place in non-leaking containers. Seal tightly for disposal according to local and federal regulations. Do not allow to escape into waterways, wastewater or soil. |

Handling and Storage

Section 7

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| Precautions for safe handling | As with any chemical product, use good laboratory/workplace procedures. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash hands and skin before eating, smoking or using the facilities. Avoid eye and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product. Do not breathe vapors or dust. Avoid formation of dust and aerosols. |
| Conditions for safe | Protect container from physical abuse. Keep the container tightly closed. |

storage, including incompatibilities

Store in dry well-ventilated areas. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty containers.

Protect container from physical abuse. Keep the container tightly closed. Store in dry well-ventilated areas. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty containers.

Exposure Controls/Personal Protection Section 8

| Component | CAS# | ACGIH/TLV | OSHA/PEL | *V/P |
|--|-------------|---|----------------|------|
| Titanium Dioxide | 13463-67-7 | 10 | 15 | N/D |
| Aromatic Hydrocarbon | 64742-95-6 | 50ppm | 50ppm | 9 |
| Isobutyl Isobutyrate | 97-85-8 | 100ppm | N/D | 3 |
| Toluene | 108-88-3 | 20ppm | 20ppm | N/D |
| Xylene | Mixture | 100ppm | 100ppm | N/D |
| Resin Contains <2.5% Monoalkyl (7534-94-3) Contains <2.5% Toluene (108-88-3) | Proprietary | 50ppm | 100ppm | N/D |
| Flow additive (mixture) | Proprietary | 2-methoxy-1-methylethyl acetate 50 ppm phosphoric acid 1 mg/m3 | N/D | N/D |
| Ammonium Montmorillonite | 68953-58-2 | N/D | N/D | N/D |
| Carbon Black | 1333-86-4 | 3.500000 mg/m3 | 3.500000 mg/m3 | N/D |
| PM Acetate | 108-65-6 | 50ppm | 50ppm | N/D |
| n-Butyl Acetate | 123-86-4 | 150ppm | 150ppm | N/D |

**Vapor Pressure limit*

Engineering Controls

Local Ventilation Highly recommended. Use local and general engineering controls.

Personal Protective Equipment

Eye/Face protection Protective safety goggles and/or face shield. Use equipment for eye

protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with Neoprene gloves. Polyvinyl or Teflon gloves are recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Wear a properly fitted respirator (NIOSH approved) during exposure.

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General Hygiene Considerations

Do not eat, drink, or smoke in areas where this material is used. Wash thoroughly after handling. Wash hands before eating, smoking, or touching the facial area.

Physical/Chemical Properties

Section 9

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| Physical state | Liquid |
| Appearance | Grey |
| Odor | N/D |
| Flashpoint | >101 F |
| Boiling range | 298-344 F |
| Vapor density | Heavier than air |
| Liquid density | Heavier than water |
| Volatiles volume | 52.4% |
| Evaporation Rate | 0.23 x n-Butyl Acetate |
| pH | N/D |
| Vapor pressure | N/D |
| Relative density | 1.61 |
| Solubility | Insoluble |
| Partition coefficient | N/D |
| Auto Ignition temp | N/D |

Stability and Reactivity

Section 10

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| Chemical stability | Stable |
| Hazardous reactions | None |

Conditions to avoid Avoid spaying this material. Do not heat. Do not freeze.

Incompatible materials Water, Amines, Strong bases, Alcohols, Copper alloys

Hazardous decomposition products Toxic fumes at decomposition temperatures. Such as carbon dioxide, carbon monoxide, oxides of nitrogen

 Possibly Hydrogen Cyanide

Toxicological Information Section 11

| Name | CAS# | Oral LD50 | Dermal LD50 | Vapor LC50 |
|--|-------------|-------------------|----------------------|--------------------|
| Titanium Dioxide | 13463-67-7 | N/D | N/D | N/D |
| Aromatic Hydrocarbon | 64742-95-6 | >3000 | >3160 | N/D |
| Isobutyl Isobutyrate | 97-85-8 | 6400 (Rat) | 8600 (Rabbit) | 48.18 mg/l |
| Toluene | 108-88-3 | >5580 (Rat) | >12,196 (Rat) | 12,500 mg/m3 (Rat) |
| Xylene | Mixture | >3523 | >4200 | >20 |
| Resin Contains <2.5% Monoalkyl (7534-94-3) Contains <2.5% Toluene (108-88-3) | Proprietary | 5000 (Rat) | 3000 (Rabbit) | N/D |
| Flow additive (mixture) | Proprietary | N/D | N/D | N/D |
| Ammonium Montmorillonite | 68953-58-2 | N/D | N/D | N/D |
| Carbon Black | 1333-86-4 | 8,000 mg/kg (Rat) | 3,000 mg/kg (Rabbit) | N/D |
| PM Acetate | 108-65-6 | 8,532 mg/kg (Rat) | 5,000 mg/kg (Rabbit) | N/D |
| n-Butyl Acetate | 123-86-4 | 10,700 (Rat) | 17,600 (Rabbit) | 21 (Rat) |

Routes of Exposure Inhalation, skin, eyes, ingestion

Symptoms of Exposure *Acute:* headache, dizziness, nausea, and loss of consciousness, eye irritation, irritated mucous membranes, -vomiting due to ingestion, drying of the skin

Chronic: Asthma, difficulty breathing, skin irritation

Carcinogenicity Suspected of causing cancer

Ecological Information

Section 12

Keep out of sewers, drainage areas, and waterways. Report spills and atmospheric releases, as applicable, under Federal and State regulations.

Disposal Considerations

Section 13

Dispose of container and unused contents in accordance with federal, state, and local requirements for hazardous materials.

Transport Information

Section 14

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| DOT Proper Shipping | |
| Name: | Combustible liquid, n.o.s. (petroleum distillates) |
| Packing Group: | III |
| DOT Hazard Class: | |
| DOT UN/NA Number: | NA1993 |

Regulatory Information

Section 15

Contact manufacturer for information on specific territorial regulatory information.

Other Information

Section 16

NFPA/HMIS Rating

Health 1

Fire 2

Reactivity 0

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 guidance for safe handling, use, processing, storage, transportation, disposal, and release. It 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.

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