

**Product Identification**

**Section 1**

Product Identifier      K2-020

Product Name            Safety Yellow 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	20-80
Aromatic Hydrocarbon	64742-95-6	10-60
Isobutyl Isobutyrate	97-85-8	0-10
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

*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.*

*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
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
Extinguishing Media	Carbon dioxide (CO <sub>2</sub> ), 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.	
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

Personal precautions

*Protective equipment:* 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.

*Emergency procedures:* 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

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 storage, including incompatibilities

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.

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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

*\*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

Physical state	Liquid
Appearance	Yellow liquid
Odor	N/D
Flashpoint	>100 F
Boiling range	298-344 F
Vapor density	Heavier than air
Liquid density	Heavier than water
Volatiles volume	48.2%
Evaporation Rate	0.21 x n-Butyl Acetate
pH	N/D
Vapor pressure	N/D
Relative density	1.41
Solubility	Insoluble
Partition coefficient	N/D
Auto Ignition temp	N/D

Stability and Reactivity

Section 10

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/m <sup>3</sup> (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

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

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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