

**SECTION 1: Identification**

**Product identifiers:**

**Product trade name:** FD and C Yellow 5 AI Lake  
**Company product number:** L01-0525-FDCLKYLW5JQ  
**Other means of identification:** Not Available

**Recommended use of the chemical and restrictions on use:**

**Uses:** FD&C Color  
**Restrictions on use:** None identified  
**Manufactured:** YUHUA DISTRICT, CHANGSHA CITY, 410000, China  
**Distributor:** Pierre-Marie Montréal, www.pierre-marie.ca

**SECTION 2: Hazard(s) identification**

**Classification of the substance or mixture:**

Not classified as hazardous under any GHS hazard class (UN GHS).

**Label elements:**

**Hazard pictogram(s):** Not Applicable  
**Signal word:** Not Applicable  
**Hazard statements:** Not Applicable  
**Precautionary statements:** Not Applicable  
**Supplemental information:** No Additional Information

**Other hazards:** Skin may discolor due to contact with pigment.

See Section 11 for toxicological information.

**SECTION 3: Composition/information on ingredients**

**Substance:**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Weight%</u>
0012225-21-7	FD&C Yellow No.5 aluminum lake	95-100

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

**SECTION 4: First-aid measures**

**Description of first aid measures:**

**General:** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

**Eye contact:** Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

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**Skin contact:** Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

**Inhalation:** If affected, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion:** Get medical attention if symptoms occur.

**Protection of first aid responders:** Wear proper personal protective clothing and equipment.

**Most important symptoms and effects, both acute and delayed:** Irritation, Skin contact may discolor skin due to pigment. Preexisting sensitization, skin and/or respiratory disorders or diseases may be aggravated. See section 11 for additional information.

**Indication of any immediate medical attention and special treatment needed, if necessary:** Treat symptomatically.

## SECTION 5: Fire-fighting measures

### Extinguishing media:

**Suitable:** Carbon dioxide, foam, dry chemical, water.

**Unsuitable:** None known.

### Special hazards arising From the chemical:

**Unusual fire/explosion hazards:** This product is not known to present any fire hazard.

**Hazardous combustion products:** Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Hazardous decomposition products) for additional information.

**Special protective equipment and precautions for fire-fighters:** Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

See section 9 for additional information.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate.

**Environmental precautions:** Do not flush product into public sewer, water systems or surface waters.

**Methods and materials for containment and cleaning up:** Contain spill. Wear proper personal protective clothing and equipment. Sweep up carefully and place into container for reuse or disposal. Avoid causing dust. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse.

## SECTION 7: Handling and storage

**Precautions for safe handling:** As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing dust. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.

**Conditions for safe storage, including any incompatibilities:** Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

## SECTION 8: Exposure controls / personal protection

**Control parameters:**

**Occupational exposure limits (OEL):**

<u>Chemical Name</u>	<u>ACGIH - TWA/Ceiling</u>	<u>ACGIH - STEL</u>		
FD&C Yellow No.5 aluminum lake	1 mg/m3 TWA (respirable fraction) (as Al)	N/E		
<u>Chemical Name</u>	<u>Australia</u>	<u>New Zealand</u>	<u>Korea</u>	<u>Taiwan</u>
FD&C Yellow No.5 aluminum lake	N/E	N/E	N/E	N/E
<u>Chemical Name</u>	<u>Japan ISHL</u>	<u>Japan JSOH</u>	<u>Indonesia</u>	<u>Malaysia</u>
FD&C Yellow No.5 aluminum lake	N/E	N/E	1 mg/m3 TWA (as Al)	N/E
<u>Chemical Name</u>	<u>Philippines</u>	<u>Singapore</u>		
FD&C Yellow No.5 aluminum lake	N/E	N/E		

N/E=Not established (no exposure limits established for the listed substances for listed country/region/organization).

PNOS: ACGIH has recommended the following exposure limits for Particulates (insoluble or poorly soluble) not otherwise specified (PNOS): 10 mg/m3 TWA (inhalable particles), 3 mg/m3 TWA (respirable particles).

**Exposure controls:**

**Appropriate engineering controls:** Always provide effective general and, when necessary, local exhaust ventilation to draw dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear eye protection.

**Skin and body protection:** Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

**Respiratory protection:** Respiratory protection is not needed with proper ventilation.

**Further information:** Eyewash fountains and safety showers are recommended in the work area.

## SECTION 9: Physical and chemical properties

<b>Form:</b>	Powder	<b>pH:</b>	Not Available
<b>Appearance:</b>	Yellow	<b>Relative density:</b>	Not Available
<b>Odor:</b>	None	<b>Partition coefficient (noctanol/water):</b>	Not Available
<b>Odor threshold:</b>	Not Available	<b>% Volatile by weight:</b>	Not Available
<b>Solubility in water:</b>	Insoluble	<b>VOC:</b>	Not Applicable
<b>Evaporation rate:</b>	Non-volatile	<b>Boiling point °C:</b>	Not Available
<b>Vapor pressure:</b>	Not Available	<b>Boiling point °F:</b>	Not Available
<b>Vapor density:</b>	Nonvolatile	<b>Flash point:</b>	Not Applicable
<b>Viscosity:</b>	Not Available	<b>Auto-ignition temperature:</b>	Not Available
<b>Melting point/Freezing point:</b>	Not Available	<b>Flammability (solid, gas):</b>	Not flammable
<b>Oxidizing properties:</b>	Not oxidizing	<b>Flammability or explosive limits:</b>	<b>LFL/LEL</b> Not Available
<b>Explosive properties:</b>	Not explosive		<b>UFL/UEL</b> Not Available
<b>Decomposition temperature:</b>	Not Available		

**Other information:** Amounts specified are typical and do not represent a specification.

**Dust combustibility data:** FD&C YELLOW No.5 ALUMINUM LAKE: Typical results expected for this family of products. Particle size variation is considered a critical factor in regards to dust explosion hazard information. Sample tested - particle size <75 microns, moisture content <5%.

- Autoignition temperature: >750°C
- Minimum explosive concentration: No explosion observed for 250-2000 g/m3

## SECTION 10: Stability and reactivity

**Reactivity:** None known.

**Chemical stability:** This product is stable.

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid dust formation.

**Incompatible materials:** Avoid strong acids, bases, and oxidizing agents.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, and oxides of sulfur. Aluminum oxides.

## SECTION 11: Toxicological information

**Information on likely routes of exposure:**

**General:** Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

**Eyes:** Solid particles on the eye (powder/dust) may cause pain and be accompanied by irritation.

**Skin:** Repeated or prolonged skin contact may cause irritation.

**Inhalation:** Dust inhalation may cause respiratory irritation.

**Ingestion:** Ingestion may cause irritation.

**Acute toxicity information:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Inhalation LC50</u>	<u>Species</u>	<u>Oral LD50</u>	<u>Species</u>	<u>Dermal LD50</u>	<u>Species</u>
FD&C Yellow No.5 aluminum lake	N/E	N/E	>2000 mg/kg (similar Rat/ adult materials)		N/E	N/E

**Skin corrosion/irritation:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Skin irritation</u>	<u>Species</u>
FD&C Yellow No.5 aluminum lake	Non-irritant	Similar materials

**Serious eye damage/irritation:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Eye irritation</u>	<u>Species</u>
FD&C Yellow No.5 aluminum lake	Non-irritant	Similar materials

**Respiratory or skin sensitization:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Skin sensitisation</u>	<u>Species</u>
FD&C Yellow No.5 aluminum lake	Non-sensitizer	Similar material(s)

**Carcinogenicity:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**Specific target organ toxicity (STOT) - single exposure:** Not classified.

**Specific target organ toxicity (STOT) - repeated exposure:** Not classified.

**Aspiration hazard:** Not classified (technical impossibility to obtain the data).

**Other toxicity information:** No additional information available.

## SECTION 12: Ecological information

**Ecotoxicity:** No ecological testing has been conducted on this product.

<u>Chemical Name</u>	<u>Fish 96 hour LC50</u>	<u>Fish 96 hour LC50</u>	<u>Fish Chronic NOEC</u>
FD&C Yellow No.5 aluminum lake	>100 mg/L (similar materials)	N/E	N/E
<u>Chemical Name</u>	<u>Invertebrates 48 hour EC50</u>	<u>Invertebrates 24 hour EC50</u>	<u>Invertebrates Chronic NOEC</u>
FD&C Yellow No.5 aluminum lake	>100 mg/L (similar materials)	N/E	N/E
<u>Chemical Name</u>	<u>Algae 96 hour EC50</u>	<u>Algae 72 hour EC50</u>	<u>Algae Chronic NOEC</u>
FD&C Yellow No.5 aluminum lake	N/E	N/E	N/E

**Persistence and degradability:** No specific information available.

<u>Chemical Name</u>	<u>Biodegradation</u>
FD&C Yellow No.5 aluminum lake	N/E

**Bioaccumulative potential:** No specific information available.

<u>Chemical Name</u>	<u>Bioconcentration Factor (BCF)</u>	<u>Log Kow</u>
FD&C Yellow No.5 aluminum lake	N/E	N/E

**Mobility in soil:** No specific information available.

<u>Chemical Name</u>	<u>Mobility in soil (Koc/Kow)</u>
FD&C Yellow No.5 aluminum lake	N/E

**Other adverse effects:** No additional information available.

## SECTION 13: Disposal considerations

Dispose of unused contents (incineration or landfill) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

See Section 8 for recommendations on the use of personal protective equipment.

## SECTION 14: Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. **UN number:** N/A

**UN proper shipping name:**

Not regulated - See Bill of Lading for Details

**Transport hazard class(es):**

**U.S. DOT hazard class:** N/A

**Canada TDG hazard class:** N/A

**Europe ADR/RID hazard class:** N/A

**IMDG Code (ocean) hazard class:** N/A

**ICAO/IATA (air) hazard class:** N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

**Packing group:** N/A

**Environmental hazards:**

**Marine pollutant:** Not Applicable

**Hazardous substance (USA):** Not Applicable

**Special precautions for user:** Not Applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:**

Not Applicable

<b>SECTION 15: Regulatory information</b>
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Safety, health and environmental regulations specific for the product in question:

**Japan regulations:****Japan Industrial Safety and Health Law:**

<u>Chemical name</u>	<u>Category</u>
No subject chemicals	

**Japan Fire Service Law:**

<u>Chemical name</u>	<u>Category</u>	TQ
No subject chemicals		

**Japan Poisonous and Deleterious Substances:**

<u>Chemical name</u>	<u>Category</u>	Threshold
No subject chemicals		

**Japan Prevention of Marine Pollution and Disaster:**

<u>Chemical name</u>	<u>Category</u>
No subject chemicals	

**Japan Chemical Substances Control Law:**

<u>Chemical name</u>	<u>Category</u>	<u>Notes</u>
No subject chemicals		

**Korean regulations:****Korea Industrial Safety and Health Act:**

<u>Chemical name</u>	<u>Category</u>	<u>Threshold</u>
No subject chemicals		

**Korea Act on Registration and Evaluation of Chemical Substances (K-REACH) - Substances subject to registration:**

No subject chemicals

**Korea Chemical Control Act (CCA):**

<u>Chemical name</u>	<u>Category</u>	<u>Code</u>	<u>Threshold</u>
No subject chemicals			

**Korea Safety Control of Dangerous Substances Act (MPSS):**

<u>Chemical name</u>	<u>Class</u>	<u>Threshold</u>
No subject chemicals		

**Korea Waste Control Act: Waste disposal methods must comply with local and national laws.**

<u>Chemical name</u>	<u>Notes</u>
No subject chemicals	

**Other regulations:** No Additional Information

**Chemical inventories:**

<u>Regulation</u>	<u>Status</u>
Australian Inventory of Chemical Substances (AICS):	Y
Canadian Domestic Substances List (DSL):	Y
Canadian Non-Domestic Substances List (NDSL):	N
China Inventory of Existing Chemical Substances (IECSC):	Y
European Inventory of Existing Chemical Substances (EINECS):	Y
European List of Notified Chemical Substances (ELINCS):	N
Japan Existing and New Chemical Substances (ENCS):	Y
Korean Existing and Evaluated Chemical Substances (KECL):	Y
New Zealand Inventory of Chemicals (NZIoC):	Y
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Y
Taiwan Inventory of Existing Chemicals:	Y
U.S. Toxic Substances Control Act (TSCA):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed. A "Y" for New Zealand may mean that a qualified group standard may exist for the components in this product.

## SECTION 16: Other information

### Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

N/A: Not Applicable

N/E: None Established

STEL: Short Term Exposure Limit

TWA: Time Weighted Average (exposure for 8-hour workday)

### Users Responsibility/Disclaimer of Liability:

The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.

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