



## SAFETY DATA SHEET

### 231-XXXX PU FC TOPCOAT GLOSSY, VARIOUS COLOURS

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	231-XXXX PU FC TOPCOAT GLOSSY, VARIOUS COLOURS
Chemical name	POLYURETHANE PIGMENTED TOPCOAT ENAMEL, POLIOL OF 2PACK POLIURETHANE SYSTEM
Product number	231-XXXX

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Wood coating
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##### 1.3. Details of the supplier of the safety data sheet

Supplier	KUBILAY KIMYA VE BOYA SAN.TIC.LTD.STI. Aliağa Organize Sanayi Bölgesi 113 Sok. No:6 35800 Aliağa / İzmir TURKEY  Tel: +90 232 621 50 01 info@kubilayboya.com www.kubilayboya.com
Contact person	Bahadır AKDAS (Mr) - arge@kubilayboya.com (Certificate No:01.79.05)

##### 1.4. Emergency telephone number

Emergency telephone	KUBILAY BOYA : +90 232 621 50 01 (office hours)
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

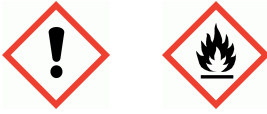
Physical hazards	Flam. Liq. 3 - H226
Health hazards	Acute Tox. 4 - H332 Skin Irrit. 2 - H315
Environmental hazards	Not Classified

**Human health** Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. The product is irritating to eyes and skin.

**Environmental** The product is not expected to be hazardous to the environment.

**Physicochemical** The product is flammable. Heating may generate flammable vapours.

##### 2.2. Label elements

**231-XXXX PU FC TOPCOAT GLOSSY, VARIOUS COLOURS****Pictogram****Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H332 Harmful if inhaled.

**Precautionary statements**

P102 Keep out of reach of children.  
 P201 Obtain special instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/container in accordance with national regulations.

**Contains**

XYLENE

**2.3. Other hazards**

This substance is not classified as PBT or vPvB according to current EU criteria.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>XYLENE</b>	<b>25-40%</b>
CAS number: 1330-20-7	EC number: 215-535-7
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R20/21 Xi;R38
<b>BUTYL ACETATE -norm</b>	<b>1-5%</b>
CAS number: 123-86-4	EC number: 204-658-1
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336	

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<b>2-METHOXY-1-METHYLETHYL ACETATE</b>		<b>1-5%</b>
CAS number: 108-65-6	EC number: 203-603-9	
<b>Classification</b> Flam. Liq. 3 - H226	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10	
<b>2-BUTOXYETHANOL</b>		<b>&lt;1%</b>
CAS number: 111-76-2	EC number: 203-905-0	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Skin irritation.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.
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### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Risk of explosion if heated.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Do not touch or walk into spilled material. Small Spillages: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Avoid inhalation of vapours and spray/mists.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

##### **BUTYL ACETATE -norm**

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

##### **2-METHOXY-1-METHYLETHYL ACETATE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m<sup>3</sup>(Sk)

##### **2-BUTOXYETHANOL**

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

WEL = Workplace Exposure Limit

##### **Ingredient comments**

WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### **Protective equipment**



##### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

##### **Eye/face protection**

Wear chemical splash goggles.

##### **Hand protection**

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

##### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

##### **Hygiene measures**

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

##### **Respiratory protection**

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

##### **Appearance**

Liquid.

##### **Colour**

Various colours.

##### **Odour**

Characteristic.

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<b>Initial boiling point and range</b>	>35°C @ mm Hg
<b>Flash point</b>	> 34°C
<b>Bulk density</b>	1,18 ± 0,05 g/cm <sup>3</sup> , 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Viscosity</b>	100 - 120 sec, D4/20 @ °C

### 9.2. Other information

<b>Other information</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 470 g/l.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not known. No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> .
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

<b>ATE dermal (mg/kg)</b>	366,667.0
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#### Acute toxicity - inhalation

<b>ATE inhalation (gases ppm)</b>	150,000.0
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<b>ATE inhalation (vapours mg/l)</b>	3,667.0
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<b>ATE inhalation (dusts/mists mg/l)</b>	50.0
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#### Germ cell mutagenicity

<b>Genotoxicity - in vitro</b>	No information available.
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<b>Genotoxicity - in vivo</b>	No information available.
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#### Carcinogenicity

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**Carcinogenicity** No information available.

### Reproductive toxicity

**Reproductive toxicity - fertility** No information available.

**Reproductive toxicity - development** No information available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin.

**Eye contact** Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

**Route of entry** Inhalation Skin absorption

**Medical symptoms** Irritation of eyes and mucous membranes.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### XYLENE

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 26700 ; Pimephales promelas mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 150.000 ; Daphnia magna mg/l, Daphnia magna

#### BUTYL ACETATE -norm

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 18 mg/l Pimephales promelas mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 72.8 mg/l Daphnia magna mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 674.7 mg/l Scenedesmus subspicatus mg/l, Algae

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

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**Bioaccumulative potential** No data available on bioaccumulation.

### Ecological information on ingredients.

#### XYLENE

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** No information required.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** PAINT RELATED MATERIAL

**Proper shipping name (IMDG)** PAINT RELATED MATERIAL

**Proper shipping name (ICAO)** PAINT RELATED MATERIAL

**Proper shipping name (ADN)** PAINT RELATED MATERIAL

#### 14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

ICAO class/division 3

#### Transport labels



#### 14.4. Packing group



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ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

Hazard Identification Number 30  
(ADR/RID)

Tunnel restriction code (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Key literature references and sources for data</b>	This SDS is prepared based on the information received from the product raw material.
<b>Revision comments</b>	This is first issue.
<b>Issued by</b>	Bahadır AKDAS
<b>Revision date</b>	13/04/2016
<b>Revision</b>	00
<b>Supersedes date</b>	13/04/2016
<b>SDS number</b>	20259
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.

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This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.