

According to Regulation (EC) No 1907/2006 (REACH)

**Substance Name** :FLYPOLY CC 30  
**Print Date** :05.08.2019  
**Safety Data Sheet No** :POL-831  
**Revision Date** :02.07.2018  
**Revision Number** :01

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**1- Identification of the Substance/Mixture and the Company/Undertaking** *1.1. Product Identifier* FLYPOLY CC 30

*1.2. Relevant identified uses of the substance* : Polyol components for the production of polyurethane foams

*1.3. Details of the supplier of the safety data sheet:*

Company name : FLY BOYA YAPI KİMYASALLARI İNŞ. SAN. VE TİC. A.Ş.  
Adress : Anbar Mah. 2973. Sokak No:35/L Melikgazi / Kayseri / Türkiye  
Telephone :+90 352 501 38 28

Email : info@flykimya.com

*1.4 Emergency telephone number:*

Company Telephone : 0090 212 866 49 00  
National Poison Information Center : 114  
Fire Department : 110  
First Aid Center : 112

**2- Hazards Identification**

*2.1. Classification of the substance or mixture*

Classification according to Regulation (EC) No. 1272/2008 [CLP]

GHS classification



GHS02 GHS08

*Signal word: Danger*



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## Hazard Statement(s):

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H360 May damage fertility or the unborn child.

## Precautionary Statement(s):

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P311 Call a POISON CENTER and doctor.  
P313 Get medical advice/attention.  
P321 Specific treatment.  
P362 Take off contaminated clothing.  
P302+352 IF ON SKIN: Wash with plenty of water and soap.  
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305-351-338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 If eye irritation persists: Get medical advice/attention.  
P370+378 In case of fire: Don't use water to extinguish.  
P403+235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

EUH066 Repeated exposure may cause skin dryness or cracking.

## 3- Composition/Information on Ingredients

Compound	Cas No	%
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Polypropilen glikol	25322-69-4	< 25
Dibutyltin dilaurate	77-58-7	<5
Metilal	203-714-2	<10

#### 4- First Aid Measures

##### First Aid General Information:

Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested.  
Call a doctor. Apply artificial respiration if breathing stopped.

##### First Aid Inhalation:

Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested.  
Call a doctor. Apply artificial respiration if breathing stopped.

##### First Aid Skin / Eye:

Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical assistance.  
Immediately flush eyes thoroughly with water for at least 15 minutes.

##### First Aid Ingestion:

Do not let victim drink anything.  
Do NOT induce vomiting.  
Get immediate medical advice/attention.

#### 5- Fire – Fighting Measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Alcohol-resistant foam. Dry Powder. Carbon dioxide. Water fog. Use water spray or fog to control fire fumes

###### Unsuitable extinguishing media

Do not use a solid water stream.

##### 5.2. Special hazards arising from the substance or Mixture

###### Specific hazards

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Exposure to fire may cause containers to rupture/explode.

### **Hazardous combustion products**

If involved in a fire the following toxic and/or corrosive fumes may be produced by thermal decomposition:

Carbon dioxide, Carbon monoxide.

### **5.3. Advice for fire-fighters**

#### **Specific methods**

If possible, stop flow of product. Move container away or cool with water from a protected position. If leaking do not extinguish a flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire. Prevent water used in emergency cases from entering sewers and drainage systems.

#### **Special protective equipment for fire-fighters**

Normal firefighters' equipment consists of an appropriate SCBA (open-circuit positive pressure compressed air type) in combination with fire kit. Equipment and clothing to the following standards will provide a suitable level of protection for firefighters.

#### **Guideline:**

EN 469:2005: Protective clothing for firefighters. Performance requirements for protective clothing for firefighting., EN 137 Respiratory protective devices — Self-contained open circuit compressed air breathing apparatus with full face mask — Requirements, testing, marking., EN 15090 Footwear for firefighters., EN 443 Helmets for fire fighting in buildings and other structures., EN 659 Protective gloves for firefighters.

## **6- Accidental Release Measures**

**6.1. Personal precautions, protective equipment and emergency procedures** Consider the risk of potentially explosive atmospheres. Evacuate area. Ensure adequate air ventilation. Use self contained breathing apparatus and chemically protective clothing. Eliminate ignition sources. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### **6.2. Environmental precautions**



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Try to stop release.

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

Ventilate area. Keep away from ignition sources (including static discharges). Evacuate area.

Prevent evaporation by covering with foam. Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor.

### 6.4. Reference to other sections

See also sections 8 and 13.

## 7- Handling and Storage

### 7.1. Precautions for safe handling

Only experienced and properly instructed persons should handle the product. The substance must be handled in accordance with good industrial hygiene and safety procedures. Avoid contact with skin. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your supplier if in doubt. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Purge air from system before introducing product. Do not smoke while handling product. Assess the risk of potentially explosive atmosphere and the need for explosion-proof equipment. Consider the use of only non-sparking tools. Ensure the complete system has been (or is regularly) checked for leaks before use. Refer to supplier's handling instructions. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Protect cylinders from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. If user experiences any difficulty operating cylinder valve discontinue use and contact supplier. Never attempt to repair or modify container valves or safety relief devices. Damaged valves should be reported immediately to the supplier. Keep container valve outlets clean and free from contaminants particularly oil and water. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to transfer products from one cylinder/container to another. Never use direct flame or electrical heating devices to raise the pressure of a container. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.

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

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Observe all regulations and local requirements regarding storage of containers. Segregate from other oxidants in store. Keep container below 35°C in a well ventilated place. Containers should be stored in the vertical position and properly secured to prevent falling over. Stored containers should be periodically checked for general conditions and leakage. Container valve guards or caps should be in place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible materials. All electrical equipment in the storage areas should be compatible with the risk of potentially explosive atmosphere. Containers should not be stored in conditions likely to encourage corrosion.

## 8- Exposure Controls / Personal Protection

### Engineering measures

Ensure adequate ventilation.

Apply process controls to ensure safe operating conditions. Assess potential flammability hazards based on flashpoint and potential ignition sources.

Provide readily accessible eye wash stations and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

### Personal protective equipment

Respiratory protection : Not required for properly ventilated areas.

Hand protection : Butyl-rubber

Nitrile rubber.

Neoprene gloves.

Impervious gloves.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Full face shield with goggles underneath.

Skin and body protection : Impervious clothing.

Rubber or plastic boots.

Slicker Suit.

Environmental exposure: Shut off or remove all ignition sources.  
controls

**Special instructions for:** Discard contaminated leather articles. Remove contaminated clothing.



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Protection and hygiene: Drench affected area with water for at least 15 minutes. Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

## **9- Physical and Chemical Properties**

Appearance : Viscous Liquid  
Odor : Fishy.  
Odor threshold : No data available.  
Melting point/range : No data available.  
Boiling point/range : 80°C  
Flash point : 70°C  
Evaporation rate : No data available.  
Flammability (solid, gas) : Not applicable.  
Upper/lower explosion/flammability limit : Not applicable.  
Water solubility : Completely soluble.  
Relative vapor density : Not applicable.  
Partition coefficient (n-octanol/water) : No data available.  
Auto-ignition temperature : No data available.  
Decomposition temperature : No data available.  
Viscosity (25°C) : 250-400 mPa.s  
Molecular Weight : No data available.

## **10- Stability and Reactivity**

Chemical Stability : Stable under normal conditions.  
Materials to avoid : Organic acids (i.e. acetic acid, citric acid etc.).



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Hazardous decomposition products: Nitric acid.

Mineral acids.  
Sodium hypochlorite.  
Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.  
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.  
Oxidizing agents.

Ammonia  
Nitrogen oxides (NO<sub>x</sub>).  
Nitrogen oxide can react with water vapors to form corrosive nitric acid.  
Carbon monoxide.  
Carbon dioxide (CO<sub>2</sub>).

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

## 11- Toxicological Information

### 11.1. Information on toxicological effects

#### Likely routes of exposure

**Effects on Eye** : Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness.

**Effects on Skin** : Toxic in contact with skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Causes skin burns.

**Inhalation Effects** : Harmful if inhaled. Can cause severe eye, skin and respiratory tract burns. Inhalation of aerosol may cause irritation to the upper respiratory tract.

**Ingestion Effects** : Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

**Symptoms** : No data available.

#### Acute toxicity



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Acute Oral Toxicity : LD50 : 1,290 mg/kg Species : Rat.  
Inhalation : LC50 (1 h) : > 2.63 mg/l Species : Rat. No deaths observed. Acute  
Dermal Toxicity : LD50 : 370 mg/kg Species : Rabbit.

Skin corrosion/irritation : Severe skin irritation.  
Serious eye damage/eye  
Irritation : Severe eye irritation.  
Sensitization. : No data available.

Chronic toxicity or effects from long term exposures

Carcinogenicity : No data available.  
Reproductive toxicity : No data is available on the product itself.  
Germ cell mutagenicity : No mutagenic in AMES test.  
Specific target organ systemic  
toxicity (single exposure) : No data available.

Specific target organ systemic  
toxicity (repeated exposure) : No data available.

Aspiration hazard : No data available.

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Asthma., Eye disease., Skin disorders and Allergies.

## 12- Ecological Information

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

Toxicity to algae - Components

Tetramethyliminobispropylamine ErC50 (72 h) : 7.9 mg/l Species : *Selenastrum capricornutum*

(*Pseudokirchneriella subcapitata*)



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Tetramethyliminobispropylamine NOEC (72 h) : 1.2 mg/l Species : Selenastrum capricornutum (Pseudokirchneriella subcapitata)

Toxicity to other organisms : No data available.  
Toxicity to other organisms : No data available.  
Persistence and degradability  
Biodegradability : No data is available on the product itself.  
Mobility : No data available.  
Bioaccumulation : No data is available on the product itself.

### 13- Disposal Considerations

Waste from residues / unused

Products : Contact supplier if guidance is required.

Contaminated packaging : Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze,solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode. Dispose of container and unused contents in accordance with federal, state, and local requirements.

### 14- Transport Information

DOT

UN/ID No. : UN3286  
Proper shipping name : FLAMMABLE LIQUID N.O.S.  
Class or Division : 3  
Packing group : II  
Label(s) : 3  
Marine Pollutant : No

IATA

UN/ID No. : UN3286  
Proper shipping name : FLAMMABLE LIQUID N.O.S.



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Class or Division : 3  
Packing group : II  
Label(s) : 3  
Marine Pollutant : NoIMDG

### IMDG

UN/ID No. : UN3286  
Proper shipping name : FLAMMABLE LIQUID N.O.S.  
Class or Division : 3  
Packing group : II  
Label(s) : 3  
Marine Pollutant : No

### TDG

UN/ID No. : UN3286  
Proper shipping name : FLAMMABLE LIQUID N.O.S.  
Class or Division : 3  
Packing group : II  
Label(s) : 3  
Marine Pollutant : No

## 15- Regulatory Information

*Safety, health and environmental regulations/legislation specific for the substance or mixture*

Classification of substances and mixtures are classified according to the Regulation on the Labelling and Packaging.

- EU regulation (EC) no 1272/2008 (CLP)
- EC DIRECTIVE 2008/98/EC (waste)
- EU Regulation (EC) no.1907/2006 (REACH)

## 16- Other Information



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Recommended use: Polyurethane composition

Safety Data Sheet Prepared / Edited / Published  
Yusuf Yivlik–info@flykimya.com/

Specialist Accreditation No. : TUV/11.25.05  
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## **Technical information:**

**Tel** :+90 352 501 38 28 **E-mail** : info@flykimya.com

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