

Prepared in accordance with the Regulation on Preparation of Safety Data Sheets for Hazardous Substances and Mixtures (Official Journal no. 13.12.2014 - 29204).

Substance/Mixture Name	<b>SMK-6070 SEMKYD FA 50 T 70</b>	Preparation date	28.03.2019
		Repreparation date	15.06.2020
Form No	39	Revision	1
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## 1. SUBSTANCE/ MIXTURE AND COMPANY/ EMPLOYER IDENTIFICATION

### 1.1 Substance/ Mixture Identification:

Product Name: **SEMKYD FA 50 T 70/ SMK-6070**

### 1.2 Use of Material / Composition and If not recommended Use:

It is used in paint and varnish production.

### 1.3 Company Identification

#### Producer Company

Name: SEMKİM Paint and Chemicals Industry and Trade Ltd. Co.

Address: Kemalpaşa OSB Mah. 508 Sokak No 320 Kemalpaşa/İZMİR

Phone Number: 0232 878 97 80

Fax: 0232 878 97 83

E-posta: info@semkim.com

### 1.4 In case of emergency: 114 (UZEM)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of Substance/Mixture

<b>Physical Effect</b>	Flammable Liquid Category 2	H225
<b>Health Effect</b>	Skin Irritation Category 2	H315
	STOT (Single Exposure) Category 3	H336
	Reproductive Toxicity Category 2	H361
	STOT (Repeated Exposure) Category 2	H373
<b>Environmental Effect</b>	No application	

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## 2.2 Label Elements

**GHS Symbol:****Signal Word:** Dangerous**Hazard Statements**

H225: Easily flammable liquid and vapor.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging the unborn child or damage to reproduction.

H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

P201: Read the special instructions before use.

P202: Do not handle without reading and understanding all precautionary statements.

P210: Keep away from heat/sparks/flame/hot surfaces.- No smoking.

P233: Keep the container tightly closed.

P240: Do sit in the ground receiving equipment and container.

P241: Use explosion-proof electrical / ventilation / ignition/ material.

P242: Only use fireproof tool.

P243: Take precautionary measures against static discharge.

P260: Do not breathe dust / fume / gas / mist / vapor / spray.

P261: Avoid breathing powder / fume / gas / mist / vapor / spray.

P264: Wash thoroughly after handling.

P271: Use only outdoors or in a well- ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protector.

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P281: Use personal protective equipment.

P301+P310: IF SWALLOWED: Call 114 NATIONAL POISON ADVISORY CENTER or call doctor / physician.

P302+P352: IF ON SKIN: wash with plenty of soap and water.

P303+P361+P353: IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P304+P340: IF INHALATION: Remove the fresh air and the damaged person easily breathe and hold in a comfortable position.

P308+P313: IF the EXPOSURE OR INTERACTIONS: Get medical attention/care.

P312: If you do not feel well, call 114 NATIONAL POISON ADVISORY CENTER or call doctor / physician.

P314: If you do not feel well, we receive medical advice / intervention.

P331: Do not induce vomiting.

P332+P313: IF SKIN irritation occurs: Get medical advice/attention

P362: Remove your contaminated clothing and wash it before using it again.

P370+P378: In case of fire use CO<sub>2</sub>, foam or dry powder for extinguishing.

P403+P233: Store in a well-ventilated area. Keep the container tightly closed.

P403+P235: Store in a well-ventilated area. Keep cold.

P405: Keep it under lock.

P501: Please dispose of contents/container.

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### 3. INFORMATION ON COMPOSITION CONTENT

Substance Name	CAS No	EC No	REACH NO	Content %	Hazard Code and Category Code	Hazard Statements
Toluene	108-88-3	203-625-9	01- 2119471310- 51-0043	30	Flammable Liq. 2 Reproductive Tox.. 2 Asp. Tox. 1 STOT ( Repeated) Cat.2 Skin Irritation 2 STOT (Single) Cat. 3	H225 H361 H304 H373 H315 H336
Alkyd Resin				70		

### 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

**Inhalation:** Get medical help immediately. Move away from the environment and immediately into fresh air. If not breathing, do artificial respiration. If breathing difficulties give oxygen.

**Skin Contact:** Get medical help immediately. Remove contaminated clothing and shoes and immediately wash your skin with plenty of water for at least 15 minutes.

**Eye Contact:** Wash immediately with large quantities of water for 15 minutes. If irritation persist call a doctor.

**Ingestion:** Do not induce vomiting. Chemical vapors may escape during lungs. Immediately give 1-2 cups of water or milk to the person. If consciousness is off, never give anything. Get medical help urgently.

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

The known symptoms and effects are indicated on the label. (See Section 2.2)

#### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Support psychologically and behave according to findings.

### **5. FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

To put out the fire foam, dry chemical powder and use the CO<sub>2</sub> extinguishing devices. **DO NOT STRICTLY INTERFERE WITH WATER.**

#### **5.2 Specific damage caused by substance and mixture**

Serious fire hazard.

#### **5.3 Advice for firefighters**

If there is no risk, move the container away from the fire area. Cool containers with water spray until the flames completely extinguish.

### **6. ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal protective precautions**

Avoid breathing vapor, fume or gas. Make sure that the ventilation is sufficient. Destroy everything that could cause ignition. Remove the personnel safe zone. Wear suitable protective clothing.

#### **6.2 Environmental precautions**

Be careful not to leak or spill. Avoid sewage, water spills, and spills on the soil.

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

In case of small spills, clean with sand, earth or cloth. Collect the materials used for cleaning in a separate place and dispose of them according to the hazardous waste regulations. No smoking in the place where the waste is collected, no welding, no naked fire. Ventilate the environment

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well. If it spreads in large quantities, turn off all heat and sources of ignition, do not smoke. The person who cleans this area should wear a sword.

## **7. STORAGE AND HANDLING**

### **7.1 Precautions for safe handling**

#### **7.1.1**

Measures to prevent or control both fire and aerosol and dust formation to ensure safe handling of the substance or mixture.

Prevention of the handling of substances or mixtures which are incompatible with each other.

Reduce the spread of the substance or mixture to the environment, such as avoiding spillage or keeping it away from waterways.

#### **7.1.2**

No eating, drinking and smoking in work areas.

Washing hands after use.

Removal of contaminated clothing and protective equipment before entering food areas.

### **7.2 Conditions for safe stage, including any incompatibilities**

**Hazards and Precautions** Flammable liquid and vapor. The mouth of the resin containers must be sealed very tightly. Even the smallest amount of material remaining in empty containers can be dangerous. Be sure not to weld the containers, be careful of static electricity, before making sure that they are emptied. The containers must be filled with water and should not be repaired without ensuring that all resin vapors have been thrown out.

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**Transport:** The resin is transported while the mouths of the containers are tightly closed. Keep away from all sources of heat and flame. All vehicles must be grounded.

**Storage :** Storage area away from fire, sparks and it must be a cool place with air flow.

### 7.3 Specific end use

No data.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control Parameters

#### Exposure Limits/ standards

The places where this material is used and stored should have adequate ventilation.

### 8.2 Exposure Controls

**8.2.1 Engineering Precautions:** Carry it according to industrial hygiene and safety regulations. Wash your hands at the end of the day.

#### 8.2.2 Personal Protective Equipment



**Inhalation Protection:** Use respiratory equipment and devices that have been tested and approved in accordance with the standard.

**Eye/Face Protection:** Use protective glasses or face shields against chemical spatter that tightly enclose the face.

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**Skin Protection:** Use suitable gloves. Gloves should be checked before use. Contaminated gloves should be disposed of in accordance with good laboratory practices and compliance rules. Away from synthetic clothing that can produce static electricity. This information is advisory. It should not be accepted as an approval for any particular use case.

**Hands Protection:** If skin contact is indicated, use a chemically resistant, waterproof glove complying with an approved standard.

**Thermal Damage:** All protective equipment suitable for use at high temperatures should be used.

### 8.3 Environmental Exposure Control:

Ventilation emissions and work process equipment must be checked for compliance with environmental protection legislation requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

<b>Form</b>	Consistent Liquid
<b>Odour</b>	The smell of the solvent
<b>Colour Gardner</b>	MAX 7
<b>Boiling Point</b>	110 °C (Toluene)
<b>Flash Point</b>	4,4 °C (Toluene, closed container)
<b>Evaporation Rate</b>	No data.
<b>Flammability</b>	Flammable
<b>Upper / lower flammability or explosive limits:</b>	1,1 %v- 7,1%v (Toluene)
<b>Vapor Pressure (25°C)</b>	3,8 kPa (Toluene)
<b>Vapor Density</b>	No data

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<b>Solubility in water</b>	Insoluble.
<b>Viscosity (25 °C) Pa.s</b>	10-15
<b>Acid Number</b>	MAX 10
<b>Solid</b>	%70 ± 2
<b>Density (g/cm<sup>3</sup>)</b>	1,02±0,02

## 9.2 Other Information

No data.

## 10. STABILITY AND REACTIVITY

### 10.1 The Reaction

It is stable under normal conditions.

### 10.2 Chemical Stability

No dangerous polymerization occurs..

### 10.3 Harmful Response Potential

No data.

### 10.4 Conditions to Avoid

Heat, flame, sustainable sources.

### 10.5 Substances to Avoid

None.

### 10.6 Hazardous Decomposition Products

No known hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxic effect

#### Acute Toxicity

Product/ ingredient	Test	Dose
Toluene	LD50, Oral LC50, Inhalation LD50, Dermal	>5000 mg/kg bw (rat) 20 mg/L (rat vapors,4h) >5000 mg/ kg ( rabbit)

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**Skin Irritation or Corrosion:** Causes skin irritation

**Eye Irritation:** Slightly irritating to the eye.

**Skin Sensitization:** Not classified as a sensitizer

**Mutagenicity:** Genetic toxicity: Negative

**Carcinogenicity:**

Not classifiable as a human carcinogen.

**Reproductive Toxicity:**

Classified as a Category 2 reproductive toxicant.

**Inhalation-Repeated Dose Toxicity:**

After repeated dose exposure, toluene causes a number of adverse effects including impairment of auditory function and morphological evidence of cell loss in the rat cochlea, neuron loss in the central nervous system of animals and in humans neuropsychological effects, auditory dysfunction and effects on colour vision have been reported.

**Chronic/ Other Effects:**

No data available.

## **12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

It does not accumulate in water organisms.

### **12.2 Persistence and Degradability**

No data.

### **12.3 Bioaccumulation and Potential**

No data.

### **12.4 Mobility in Soil**

Stop it from getting in the ground.

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**12.5 Results of PBT and vPvB Assessment**

No data.

**12.6 Other Information**

No data.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste Processing Methods**

It is disposed in accordance with the environmental regulations. Resin-carrying containers are cleaned and reused in accordance with regulations. Disposal of containers with resin is carried out at licensed disposal facilities.

**14. TRANSPORT INFORMATION**

**14.1 UN No:** 1263

**14.2 Proper UN Transport Name:** UN 1263 PAINT RELATED MATERIAL

**14.3 Hazard Class:** 3

**14.4 Packing Group:** III

**14.5 Environmental Hazard:** There is no environmental damage.

**14.6 Special Precautions for the User:** No data.

**15. REGULATORY INFORMATION****15.1 Special safety, health and environmental legislation for substance or mixture**

Regulation on the Classification, Labeling and Packing of Substance and Mixtures [R.G. 11/12/2013 - 28848]

Regulation on Safety Data Sheets for Hazardous Substances and Mixtures [13/12/2014 - Official Gazette No. 29204]

Regulation on the Transport of Dangerous Goods by Road [R.G. 24/10/2013 - 28801]

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**16. OTHER INFORMATION**

Update: Update is not applied.

Abbreviations: UZEM: National Poison Advisory Center

STOT: Specific Target Organ Systemic Toxicity

Asp. Tox. 1: Aspiration Toxicity 1

Key Information Sources: This GBF SEA regulation is based on the information in Appendix 6.

Hazard Statements: H304: May be fatal if swallowed and enters airways.

Prepared by

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Certification No: TÜV/01.154.08

Certification Effective Date: 09/05/2021