

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	SMK-9001 SEMKYD FA 38 X 60	Preparation date:	02.11.2019
		Repreparation date	13.06.2020
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1. SUBSTANCE/ MIXTURE AND COMPANY/ EMPLOYER IDENTIFICATION

1.1 Substance/ Mixture Identification:

Product Name: **SEMKYD FA 38 X 60/ SMK-9001 MODIFIED ALKYD**

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

Physical Effect	Flammable Liquid Category 3	H226
Health Effect	Skin Irritation Category 2	H315
Environmental Effect	No application	

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2.2 Label Elements



GHS Symbol:

Signal Word: Warning

Hazard Statements

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

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.

P264: Wash thoroughly after handling.

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

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.

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 CO₂, foam or dry powder for extinguishing.

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

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 Statement Code
Xylene	95-47-6	202-422-2	01- 2119485822- 30-0023	40	Flammable Liq. 3 Acute Tox. 4 Acute. Tox. 4 Skin Irritation 2	H226 H332 H312 H315
Toluene Diisocyanate	26471-62- 5	247-722-4	-	0,6	Acute Tox. 1 Skin Irritation 2 Eye Irritation 2 Carcinogenic	H330 H315 H319 H351
Alkyd Resin				60		

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.

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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.

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 CO₂ 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.

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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 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.

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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.

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



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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.

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

Form	Consistent Liquid
Odour	The smell of the solvent
Colour Gardner	MAX 7
Boiling Point	144 °C (Xylene)
Flash Point	32 °C (Xylene)

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Evaporation Rate	No data.
Flammability	Flammable
Upper / lower flammability or explosive limits:	0.9 %v- 6.7%v (Xylene)
Vapor Pressure (25°C)	882 kPa (Xylene)
Vapor Density	No data
Solubility in water	Insoluble.
Viscosity (25 °C) Pa.s	28-35
Acid Number	MAX 10
Solid	%60 ± 2
Density (g/cm³)	0,99±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.

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11. TOXICOLOGICAL INFORMATION

11.1 Information of toxic effect

Acute Toxicity

Product/ ingredient	Test	Dose
Xylenes	LD50, Oral	3,523 mg/kg bw (rat)
	LC50, Inhalation	27,124 mg/m ³ (rat vapors,4h)
	LD50, Dermal	12,126 mg/ kg (rabbit)

Skin Irritation or Corrosion: Causes skin irritation

Eye Irritation: Causes serious eye irritation

Skin Sensitization: Not classified as a sensitizer

Mutagenicity: Genetic toxicity: Negative

Carcinogenicity:

Not classification of mixed xylenes streams for carcinogenicity is warranted under DPD or GHS/CLP.

Reproductive Toxicity:

Mixed xylenes, xylene isomers and ethylbenzene do not warrant classification for reproductive or developmental toxicity according to DPD or CLP.

Inhalation-Repeated Dose Toxicity:

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Chronic/ Other Effects:

There are no specific data on neurotoxicity in humans by monoexposure to ethylbenzene or xylenes, but for aromatic solvents such as there is evidence for such effects in humans and animals.

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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.

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

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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]

16. OTHER INFORMATION

Update: The new format is applied.

Abbreviations: UZEM: National Poison Advisory Center

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

Hazard Statements: H 312: Harmful in contact with skin.

H319: Causes serious eye damage.

H330: Fatal if inhaled.

H 332: Harmful if inhaled.

H351: Suspected of causing cancer.

Prepared by

Name Surname: PENBEGÜL İNCE

Contact: penbegul.ince@semkim.com.tr

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