



Material Safety Data Sheet

2K Acrylic Varnish

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Created : 16.02.2016
Last Updated : -
Reorganization No : -

1- PRODUCT AND COMPANY INFORMATION

1.1. Product Information

Product Name : 2K Acrylic Varnish

1.2. Product Application

For professional using.Two components. Developed for double coat (basecoat & varnish) systems.

1.3. Supplier

Company Name İmaj Yatırım Endüstri ve Petrol ürünleri Dağıtım A.Ş

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Urgent Situation Consultation

Emergency Telephone Number + 90 212 285 90 84

First Aid Emergency Center 112

Poison Center 114

Fire-Fighting 110

2- PRODUCT INFORMATION ON INGREDIENTS

Material	Cas No	EC No	Concentration	Class	R Phrases	H Phrases
Butly Acetate	123-86-4	204-658-1	% 5-15	Xn	10, 66, 67	226, 336, EUH066
Xylene	1330-20-7	215-535-7	% 5-15	Xn	10, 20/21, 38	226, 319, 332, 31
Acrylic Resin	----	-----	% 60-80	Xn	10, 20/21	226, 332, 312
PMA	108-65-6	203-603-9	% 3-5	Xi	10, 61, 36, 37	226, 319



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3- DESCRIPTION OF LOSS

3.1 Material or mixture classification

Product Identification: Mixture

Classified according to the 1272/2008 (SEA/GHS) (AB) statute

According to the Regulation of 1272/2008 EC the product related to hazardous materials.

Classified according to the 1999/45 EC directive

Xi: Irritating Xn : Harmful

Risk Phrases :

R10,R66,R67,R20/21,R38,R36

Safety Phrases:

S2,S25,S7/9,S16,S36/37/39,S51

Healty Phrases:

H226,H332, H315,H336,H312,H319,EUH066

Physical / Chemical Hazards:Flaming.

Health hazards for humans: Repeated exposure may cause skin dryness and cracks.

Steam can cause drowsiness and dizziness.

Environmental Hazards: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards not included in the classification:Long term or repeated contact may cause skin dryness and irritation.

According to healty indication for more information look at the section 15.

According to H declarations which mentioned above look at the section 15.

4- FIRST AID AND MEASURES

Eyes: if you have remove contact lenses .A few minutes rinse with water holding eyelis open. If the symptoms increase,medical help must be taken.

Leather: In case of contact with skin wash with plenty of water and soap. Take out contaminated clothing. Do not use thinner or other solvents. If irritation occurs, medical help must be taken.



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Ingestion: If swallowed medical help must be taken. Show product box and label. Do not allow vomiting. If there is loss of consciousness do not give anything to the mouth, hold the exposed person in a lying position.

Inhalation : Remove person to fresh air immediately. If there is Inhalation difficulty, give oxygen. If necessary do artificial respiration. If the condition does not improve consult a doctor.

5- FIGHTING MEASURES

5.1 Extinguishing Media:

Fire-Fighting Equipment Used In: Carbon dioxide, chemical powder, foam. .(For big fires Alcohol-resistant foam)

Extinguishing Media which must not be used for safety reason : Full jet of water .Using full jet of water may effect fire splashing and spreading.

The person who extinguishes the fire must wear special protective clothing. Must use self-breathing masks that cover the face.

6- FORMATION OF ACCIDENT PRECAUTIONS

Personal precautions/Personel Protection: Use personel protective equipment(anti acid cloth, gloves, shoes). Avoid to breathe steams, fog or gas. Use mask. Use well ventilated area. Remove all the fire sources. Do not contact with the skin.

Environmental Protection Precautions :

Do not allow spilled material to enter the Sewer system, sources of drinking water supply or waterways.

Cleaning/Collection/Disposal Methods:

Collect spilled product and collect with dry sand or similar inert material and dispose it according to local regulations. Dirty place must be well cleaned. If It is spreading environment, Information should be given to the authorized units.



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7- HANDLING AND STORAGE

Handling :

In order to protect health, safety and the environment, employer, related to measures to be taken in works and workplaces where dangerous chemicals are, published in the official news dated 26/12/2003 and numbered 25328 "Regulation on Health and Safety Precautions in working with Chemical Matters" care should be taken to ensure that the work procedures in the workplace are planned and that organizational measures are taken.

Use it in a well ventilated area then wash your hands well. Take out contaminated clothing and wash before reuse. Use personal protective equipment. Do not contact with eyes, skin and clothes. Keep it in a tightly closed container. Avoid heat, sparks and flame contact. Use it with well ventilated area . Avoid to breathe steams, mist.

Storage : Keep it in a tightly closed container. Keep away from contact with oxidizing materials. Keep in a cool, dry and well ventilated area separate from the items to be avoided. Keep away from active metals . Ground all the equipment. Avoid to store together with incompatible materials.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls limits are listed at the below. Use it with well ventilated area. If exposed to a density above the limit use suitable and approved gas masks.

Material Name	Exposure Limit Values
N-Butly Acetate	TWA: 710 mg/m ³ 8 hours
	TWA: 150 ppm 8 hours
Xlene	TWA: 221 mg/m ³ 8 hours
	TWA: 50 ppm 8 hours
	STEL: 442 mg/m ³ 15 minutes
	STEL: 100 ppm 15 minutes

Exposure Controls:

Keep away from food, drink or smoke. Avoid contact with the eyes and skin. Before and after working wash the hands well. If there is exposure control use below mentioned personal protective equipment .



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Eye Protection : Use suitable protective glasses(regarding to EN 166).

Hand Protection: It is advisable to wear protective gloves such as butly or nitrile.

Respiratory Protection: Use full face mask combined with respiratory cartridge which is suitable for EN 143 Abek(EN 14387).

Skin and Body Protection:Regarding to your work type,choose the best potective body eqiipment.

Hygiene Measures:Carry it according to industrial hygiene and safety regulations.Wash your hands before stoping work and at the end of the work.

Environmental exposure Controls:

Product and packaging are not exported.For the protection of the environment all the issues must be done regarding to existing legislation.

9- PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Appearance	Liquid
Flavor	Characteristic
Colour	Transparent
Density(g/cm ³) (20°C)	0,98(+ -0,02 gr/ cm ³)
Point of ignition (°C)	26
Resolution	Soluble in its own solvents,Solubility in water is very poor.

10- STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions closed container room temperature.

Possibility of hazardous reaction : There is not any information.

Situations to avoid: It's a flammable substance. Keep away from strong oxidizing agents, peroxide, strong acids and bases. Keep away from heat sources and sunlight. Avoid situations that create static electricity.

Hazardous Defect Products : Under normal conditions of use and storage, hazardous defect and decomposition products will not occur. In case of thermal breakdown carbon monoxide,and other gases can be occur.



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11- TOXICOLOGY INFORMATION

- Breathing** : Long-term resolution causes irritation.
- Swallowing** : If it is swallowed, it causes a damage to the stomach, food pipe and gastrointestinal.
- Skin Contact** : Causes skin irritation and dryness.
- Eyes Contact** : Serious and permanent damage may be caused.
- Acute Toxicity** : There are no acute toxicity values of the substance. The toxicity values of other toxic substances are given at the below.

Material	Live Type	Dose	Exposure	Result
Methyl Asetat	Rabbit	>5 g/kg	-	LD50 Dermal
Xylene	Rat	20000	-	LC50 Oral
	Rat	mg/kg	4 hours	LC50 Inhalation Gas
	Rat	6670 ppm 5000 ppm	4 hours	LC50 Inhalation Vapour
Butoxyethanol	Rat	-	-	LD50 Oral
	Rabbit	470 mg/kg	-	LD50 Dermal
	Rat	220 mg/kg 450 ppm	4 hours	LD50 Inhalation

12- ECOLOGICAL INFORMATION

Ecotoxicity : The product should not be allowed to mix with soil, ground water and sewerage. It does not dissolve in nature due to its ingredients.

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Material	Live Type	Exposure	Result
Xylene	Crustaceans (Palaemonetes pugio) Fish (Trout) 0.6 g	48 hours	Acute LC50 8500 ug/L Sea Water Acute LC50 3300 to 4093 ug/L sweet sea
		96 hours	
Methylethyl Acetate	Water Flea Fish	48 hours	EC50>400 mg/l LC50 150 mg/l
		96 hours	
Butly Acetate	Fish (Leuciscus idus melanotus) Water flea	48 hours	LC50 - 101 mg/l LC50 - 250 mg/l
		24 hours	

13- DISPOSAL CONSIDERATIONS/ SUGGESTIONS FOR PRODUCT DISPOSAL

Disposal Instructions: Disposal must be suitable for the existing statutes and regulations and the material specifications during the destruction. Contact with manufacturer for recycling.

Wastes of Residues/Unused Products: Remove waste and residues in accordance with local regulations.

Uncleaned packages: In the emptied containers product residue may remain, so follow the warning on the label even after the container has been emptied.

14- TRANSPORT INFORMATION

Product Transport Name: Paint and paint related material

Road Transport – ADR :

UN No	1263	Class	3; Flammable liquid
Packing Group	III	Packing Group	P001, IBC03,LP01, R001
Special judgment	163, 367, 640E, 650	Limited Quantity	5 L
Exemption	1.000 lt.	Exceptional Quantity	E1
Hazard Identification	33	Tunnel Category	D/E

Sea Transport – IMDG :



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UN No	1263	Class	3; Flammable liquid
Packing Group	III	Packing Group	P001, IBC03,LP01,R001
Special judgment	163, 223, 955	Limited Quantity	5 L
Pollution	Yes-Category A	EMS No	F-E, S-E

Air Transport- IATA :

UN No	1263	Class	3; Flammable liquid
Packing Group	III	Packing Group	P001, IBC03,LP01,R001
Limited Quantity Packing code	10 L / Y344	Maximum Quantity	60L/Y355
Maximum Quantity	220L/Y336	ERG-No	3L

15 – LEGISLATION INFORMATION

15.1 Safety, Health and Environmental Regulations / Special Legislation for Product or Mixture

EU Legislation : This product has been supplied as a labeled and categorized according to Directive 1999/45 / EC.

Risk class: R10- Flammable

Safety Class : S51-Use only well ventilated area.

VOC ready to use:N/A

European inventory: All compounds are listed or separated.

Industrial use: Information on this safety data sheet other health and safety related legislative requirements It does not constitute a guarantee for the user's assessment of the risks in his or her work environment. This product is used in the workplace,Health and safety regulations in the workplace must be observed. Product;" About Regulation Classification of Hazardous Materials and Preparations,Packaging and Labeling"and It is classified and labeled according to the procedures and principles stipulated in the EU directives.



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Shortened R phrases :

- R10 : Flammable
- R20/21 : It is harmful when breathing and contact with skin.
- R38 : Irritating to skin.
- R36 : Irritating to eyes.
- R65 : If swallowed, it may cause lung damage.
- R66 : Repeated exposure causes dryness and cracks on the skin.
- R67 : Steam may cause dizziness and drowsiness.

Shortened S phrases :

- S2 : Keep away from children's reach.
- S16 : Keep away from ignition sources.– Do not smoke.
- S23 : Do not breathe steam.
- S24/25 : Do not contact with eyes and skin.
- S26 : If there is a contact with eyes wash with water and apply a doctor
- S29 : Do not discharge into the sewer.
- S33 : Take precautions against static discharges
- S36/37/39 : Use protective clothing,gloves,mask and glasses.
- S13 : Keep away from food,drink and animal feed.
- S46 : If swallowed medical help must be taken.Show product box and label.
- S45 : In case of accident or if you feel unwell, apply a doctor immediately. Show box, label and msds.
- S59 : Contact with manufacturer / supplier for information on recovery / reuse.

16- OTHER INFORMATIONS

Additional Information:

Regarding to information in this document,the best information has been given.It is not certainty guarantee.These information only for safety transport,handling,processing,storage,transport, destruction and evacuation.These informations are valid only for specified item/preparation and If this item/preparation compare with other item/preparation or using with other process may not be valid.

This information is not a guarantee for the product features and not carry a legal relationship feature.This document completes the technical documentation but It can not be replaced.This information provided is based on our current knowledge of this product at the time of publication.It



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