FPB.001-11.01

SAFETY DATA SHEET
POLYJET RAPID ASTAR

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name POLYJET RAPID ASTAR

Product number 91D

Container size 15 KG, 25 KG

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

Identified uses Alkid reçine esaslı ve hızlı kuruyan sanayi astarıdır.

1.3. Details of the supplier of the safety data sheet

Supplier
POLİSAN KANSAI BOYA SAN. VE TİC. A.Ş.
Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ
TURKIYE
www.kansaipolisan.com.tr
+90 262 679 60 00
+90 262 606 03 70
info@kansaipolisan.com

Contact person Occupational Health and Safety Department

Manufacturer
POLİSAN KANSAI BOYA SAN. VE TİC. A.Ş.
Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ
TURKIYE
www.kansaipolisan.com.tr
+90 262 679 60 00
+90 262 606 03 70
info@kansaipolisan.com

1.4. Emergency telephone number

Emergency telephone ULUSAL ZEHIR DANISMA MERKEZI(UZEM):114 POLİSAN KANSAI BOYA SAN. ve TİC. A.Ş. : 0262 679 60 00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d

Environmental hazards Not Classified

Classification (Regulation (EC) No. 1272/2008 CLP).

2.2. Label elements

Hazard pictograms



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Signal word	Danger
Hazard statements	EUH208 Contains ETHYL METHYL KETOXIME, cobalt bis (2-ethylhexanoate). May produce an allergic reaction. H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H361d Suspected of damaging the unborn child.
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. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
Contains	toluene

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

xylene **10-20%**

CAS number: 1330-20-7 EC number: 215-535-7

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315

toluene **1-5%**

CAS number: 108-88-3 EC number: 203-625-9

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304

ACETONE **1-5%**

CAS number: 67-64-1 EC number: 200-662-2

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

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2-methylpropan-1-ol	**1-5%**
CAS number: 78-83-1	EC number: 201-148-0

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
STOT SE 3 - H335, H336

ETHYL METHYL KETOXIME	**<1%**
CAS number: 96-29-7	EC number: 202-496-6

Classification
Acute Tox. 4 - H312
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Carc. 2 - H351

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information If in doubt, get medical attention promptly. Get medical attention if symptoms are severe or persist. Never give anything by mouth to an unconscious person. Show this Safety Data Sheet to the medical personnel.

Inhalation Move affected person to fresh air at once. Get medical attention.

Ingestion DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Skin contact Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention immediately.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Vapours may cause drowsiness and dizziness.

Ingestion If accidentally swallowed obtain immediate medical attention. Keep affected person warm and at rest. Do not induce vomiting.

Skin contact The product is irritating to eyes and skin.

Eye contact Irritation, burning, lachrymation, blurred vision after liquid splash.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Water.

5.2. Special hazards arising from the substance or mixture

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Specific hazards	Not known.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Contain and collect extinguishing water.
Special protective equipment for firefighters	Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

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. Avoid inhalation of vapours and contact with skin and eyes.
For non-emergency personnel	No data available.
For emergency responders	No data available.

6.2. Environmental precautions

Environmental precautions	Avoid or minimise the creation of any environmental contamination. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Wear eye and face protection. Wear appropriate clothing to prevent any possibility of skin contact.
Advice on general occupational hygiene	When using do not eat, drink or smoke. Do not smoke in work area. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place.
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.
Usage description	Use the product according to its Technical Data Sheet or instructions written on the label.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

xylene

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Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk, BMGV

toluene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³
Sk

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

2-methylpropan-1-ol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³
Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.
BMGV = Biological monitoring guidance value.

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Use explosion-proof electrical, ventilating and lighting equipment. Static electricity and formation of sparks must be prevented.

Personal protection Use the personal protective equipments showed above. Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

Eye/face protection Wear tight-fitting, chemical splash goggles or face shield.

Hand protection Use protective gloves.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

Thermal hazards No data available.

Environmental exposure controls Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid.

Colour Grey.

Odour Organic solvents.

Flash point 15,5°C Closed cup.

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Bulk density	1.45-1.55 kg/m³
Viscosity	100-105 KU -4°C @ °C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable under normal conditions.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects	No information available.

Acute toxicity - dermal

ATE dermal (mg/kg)	8,885.3

Acute toxicity - inhalation

ATE inhalation (gases ppm)	36,348.95
ATE inhalation (vapours mg/l)	88.85
ATE inhalation (dusts/mists mg/l)	12.12

Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May be harmful if swallowed and enters airways.
Skin contact	Prolonged or repeated exposure may cause severe irritation. May cause an allergic skin reaction.
Eye contact	May cause severe eye irritation.
Target organs	Skin Eyes Respiratory system, lungs Reproductive organs

11.2 Information on other hazards

Information on other hazards

SECTION 12: Ecological information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

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12.1. Toxicity

Toxicity No data available.

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface.

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 Endocrine disrupting properties

Endocrine disrupting properties

12.6. Other adverse effects

Other adverse effects No information required.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. ■ According to the European Waste Catalogue, Waste Codes are not product specific but
application specific. Waste Codes should be assigned by the User based on the application in which the product is used. ● Dispose of by: Burial in a licenced land-fill or incineration in a licenced apparatus (after
admixture with suitable combustible material).

SECTION 14: Transport information

14.1. UN number

UN number or ID number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT

Proper shipping name (IMDG) PAINT

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

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ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	2
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL 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

EU legislation	According to Regulation EC no: 1272/2008

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15.2. Chemical safety assessment

SECTION 16: Other information

General information	This safety data sheet information was prepared as a requirement of Chemical Substances Regulations. Product 1 Chapter gives other than those specified. Utilization of the product are beyond our control to special conditions, the supplier, the consumer is responsible for ensuring that the requirements of legislation on the subject. Information consisting of present-day situation in this safety data sheet are based on national legislation, health, safety and environmental respects the way. Technical performance and does not guarantee suitability for specific situations. Based on our present knowledge projects, but they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Key literature references and sources for data	This SDS is prepared based on the information received from the raw material supplier.

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Revision comments	Bu form, bu ürün için ilk kez düzenlenmiştir.
Issued by	Emre ÇELİK/ Sertifika Numarası: KDU01.16.11 / Belge Tarihi: 12.04.2021
Revision date	12/03/2025
Revision	02
Supersedes date	24/11/2023
SDS number	23271
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. EUH208 Contains ETHYL METHYL KETOXIME, cobalt bis (2-ethylhexanoate). May produce an allergic reaction.
Signature	Emre ÇELİK/Sertifika Numarası: KDU01.16.11/Belge Tarihi: 12.04.2021

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