Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

3D Resin Cadmium

Date of SDS : 01.02.2021 Revision Date : -
Version No : 1.0 SDS No : GBF - 4394

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1- Product Identifier:

Product Name **3D Resin Cadmium**

UFI Code No data available

Nanoform The product does not contain nanoparticles.

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

Identified uses UV 3D Printer resin.

Used advised against No data available

1.3- Details of the supplier of the safety data sheet:

Company **AVK Teknoloji Sanayi ve Ticaret Ltd. Şti.**

Address Yenibosna Mh. Yavuz 1 Sk. No: 10/A Bahçelievler İstanbul, Turkiye

Telephone +90 544 839 15 21

E-mail siltav@hotmail.com.tr / info@avkteknoloji.com

1.4- Emergency telephone number:

+90 544 839 15 21

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification:

Serious Eye Damage / Eye Irritation, Category 1, H318
Skin Sensitizer, Category 1, H317
Specific Target Organ Toxicity, Repeated Exposure, Category 2, H373

Notes: For the full text of the H sentences mentioned in this Section, see Section 16.

2.2- Label elements (according to EC 1272/2008):

GHS Pictograms



GHS05 GHS07 GHS08

Signal word Danger

Contains ACMO

Hazard statements

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	GÖZLERDE İSE: birkaç dakika su ile dikkatlice durulayın. Kontakt lens varsa ve kolaysa çıkartın. Durulamaya devam edin.
P310	Hemen ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see … on this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Disposal

P501	Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and / or international regulations

2.3- Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0.1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.1- Substances

Not applicable

3.2- Mixtures

Components:

Chemical Name	CAS No.	EC No.	%	Classification
Genomer	-	-	75	Not Classified
ACMO	5117-12-4	-	24	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373
Pigment	-	-	1	Not Classified

Notes: The full text for all H-statements is displayed in section 16.

4- FIRST AID MEASURES

4.1- Description of first aid measures

General:

Immediately call the NATIONAL POISON ADVICE CENTER or doctor/physician.

Inhalation

Immediately remove person to fresh air and keep comfortable for breathing. Wash nose and mouth with water. Oxygen may be administered to the person by properly trained personnel when breathing difficulties occur. If the problem persists, get the doctor/physician.

Skin contact

Remove contaminated clothing and shoes. Immediately wash skin thoroughly with soap and plenty of water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Carefully rinse eyes with plenty of water, including under the eyelids, for several minutes. Do not rub your eyes. Remove contact lenses if present and easy. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

If swallowed, rinse the patient's mouth with clean water and then drink plenty of water or milk. DO NOT vomit. Do not give anything by mouth if unconscious. Consult the doctor.

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

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure

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

Treat symptomatically and supportively.

5- FIRE FIGHTING MEASURES

5.1- Extinguishing Media

Suitable extinguishing media

Foam, dry chemicals, carbon dioxide and water mist must be used. The fire should be reported in large fires. Care should always be taken to create an escape route in the fire.

Unsuitable extinguishing media

No restrictions known.

5.2- Special hazards arising from the substance or mixture

May emit toxic gases as carbon monoxide, carbon dioxide, etc..

5.3- Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders:

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2- Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3- Methods and material for containment and cleaning up

Ventilate spill location. Collect the spills and dispose of them in a suitable disposal container without generating dust. Sweep the material with an absorbent or sweep up to a suitable disposal container. Use suitable respiratory equipment and appropriate personal protective equipment.

6.4- Reference to other sections

For information on safe handling see section 7, for information on personal protection equipment see section 8, for disposal-related information see section 13.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

Provide good ventilation in the workplace. Work with industrial hygiene standards and common rules to prevent inhalation, ingestion, exposure to the skin during use of chemicals. Remove contaminated clothing and wash before using again. Do not eat, drink or smoke when using this product. Do not get in contact with food, drinks or animal feed.

7.2- Conditions for safe storage, including any incompatibilities

Store in a well-ventilated, dry and cool places. Keep containers tightly closed. Protect containers from physical damage and keep them closed and upright. Keep it in its original package. Make sure that the packing cover is tightly closed. Comply with local regulations.

7.3- Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Contains no substances with occupational exposure limit values.

8.2- Exposure controls

General protection and hygiene measures:

Keep away from foodstuffs, beverages and animal feed. Remove contaminated clothing immediately. Wash your hands at the end of the work and after breaks. Do not eat or drink any foodstuff while using this product.

Ensure that there is an eye and/or body shower near the work area.

Individual protective measures, such as personal protective equipment:

Respiratory protection:

In case of insufficient ventilation, respiratory protection in accordance with proper EN standards should be used.

Protection of hands:



Use protective gloves.
It is sufficient to consider puncture resistance, permeability rates and deterioration in selection of gloves. Selected protective gloves must comply with EN 374 standards.

Glove material:

Gloves made of butyl rubber and/or PVA.

Eye protection:



Use safety goggles or face masks that have been tested and approved in accordance with standards such as EN 166 (EU). Contact lenses should not be worn. Use face shields where there is a high risk of splashing and where there is a risk of direct contact with vapors.

Body Protection:



Choose appropriate body protection according to the type, concentration and amount of dangerous substance, and workplace conditions. Use waterproof clothing or a chemical suit in accordance with EN 14605.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls

The provisions of existing legislation for the protection of the environment must be fully implemented.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Properties	Value	Information
Physical state	: Liquid	
Colour	: Red / Green	
Odour	: Characteristic	
pH Value,	: No data available	@ 20°C
Melting point (°C)	: No data available	
Boiling point (°C)	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not flammable.	
Flash point (°C)	: Not applicable	
Upper/lower flammability or explosive limits	: Not applicable	
Vapor pressure	: No data available	
Vapour density	: No data available	
Density, gr/cm^3	: 0,80	@ 20 °C
Relative density	: No data available	
Solubility in water	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Auto-ignition temperature (°C)	: Not applicable	
Decomposition temperature (°C)	: No data available	
Viscosity, mPa's	: No data available	@ 20°C

9.2- Other information:

9.2.1- Information with regard to physical hazard classes:

No data available

9.2.2- Other safety characteristics:

Explosive properties	: No explosive properties.
Oxidising property	: No oxidizing property.

10- STABILITY AND REACTIVITY

10.1- Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2- Chemical stability

Stable under recommended handling and storage conditions.

10.3- Possibility of hazardous reactions

No harmful reactions are to be expected when the product is handled and stored properly.

10.4- Conditions to avoid

Under the recommended storage and handling conditions there is not any conditions to avoid.

10.5- Incompatible materials

Strong oxidising agents. Strong reducing agents.

10.6- Hazardous decomposition products

No hazardous decomposition products are known.

11- TOXICOLOGICAL INFORMATION

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

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes severe eye damage

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (Single Exposure)

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (Repeated Exposure)

May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard

Based on available data, the classification criteria are not met.

11.2- Information on other hazards

11.2.1- Endocrine disrupting properties

No test data is available for the mixture.

11.2.2- Other information

No test data is available for the mixture.

12- ECOLOGICAL INFORMATION

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1- Toxicity

No data available.

12.2- Persistence and degradability

No data available.

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

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

12.6- Endocrine disrupting properties

No data available.

12.7- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14- TRANSPORT INFORMATION

Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).

14.1-	UN number	Not regulated as dangerous goods.
14.2-	UN proper shipping name	Not regulated as dangerous goods.
14.3-	Transport hazard class(es)	Not regulated as dangerous goods.
14.4-	Packing Group	Not regulated as dangerous goods.
14.5-	Environmental hazard	Not regulated as dangerous goods.
14.6-	Special precautions for user	None
14.7-	Maritime transport in bulk according to IMO instruments	No information available

15- REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

15.2- Chemical safety assessment

A chemical safety assessment has not been performed for this product.

16- OTHER INFORMATION

Full text of any H-statements not written out in full under Sections 2 to 15

H302	Harmful if swallowed
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

H373	May cause damage to organs through prolonged or repeated exposure

List of abbreviations

ADR	European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No	Chemical Abstract Service Index Number
CLP	Regulation of Classification, Labelling and Packaging of Chemicals
EC No	European Commission Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
LD50	Dosage producing 50% mortality
PBT	Persistent, Bioaccumulative, Toxic
RID	International Rule for Transport of Dangerous Substances by Railway
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
vPvB	Very Persistent, Very Bioaccumulative

Other Information:

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Organized by	Gultekin Baskoylu (License No: 11544-KDU07)

Training information

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

Disclaimer

This information relates to a specific product and is not available for use in combination with any process or with any other material. Do not use on other application(s) without consulting the manufacturer. Information about the product in this Safety Data Sheet has been compiled from knowledge of the individual components. The data given here is based on current knowledge and experience. This Safety Data Sheet analyzes the product in terms of safety requirements and does not give any guarantee of the properties for the product. Usage of the information remains under the sole responsibility of the user.