

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**MOIIN Tech Clear Resin 405**

Revision date: 03.05.2018

Product code: Additiv3D

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

MOIIN Tech Clear Resin 405

**Further trade names**

The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].

Product group: Mixtures

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

Manufacture of plastics products, including compounding and conversion

**Uses advised against**

Do not use for medical-clinical purposes.

**1.3. Details of the supplier of the safety data sheet**

Company name: DMG Digital Enterprises GmbH  
 Street: Elbgaustrasse 247  
 Place: D-22547 Hamburg  
 Telephone: +49. (0) 40. 84006-0  
 e-mail: info@dmg-digital.com  
 Internet: www.dmg-digital.com  
 Responsible Department: Scientific Affairs / Wissenschaft

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
41637-38-1	Dimethacrylate Resin			> 90 %
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			< 2 %
	278-355-8	015-203-00-X		
	Repr. 2; H361f			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

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**General information**

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.  
In case of respiratory tract irritation, consult a physician.  
Remove casualty to fresh air and keep warm and at rest.  
Remove contaminated, saturated clothing immediately.  
When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Provide fresh air.  
When in doubt or if symptoms are observed, get medical advice.

**After contact with skin**

Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Rinse mouth.  
Do NOT induce vomiting.  
Get medical advice/attention if you feel unwell.

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

No information available.

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

none

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition products: No known hazardous decomposition products.  
Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Fight fire with normal precautions from a reasonable distance.  
Use suitable breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel:  
Remove persons to safety.  
Ventilate affected area.

For emergency responders  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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Retain contaminated washing water and dispose it.

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

Collect spillage.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed and suitable containers for disposal.

Ventilate affected area.

### **6.4. Reference to other sections**

Hazardous combustion products: SECTION 5: Firefighting measures

Personal protection equipment: see section 8

Incompatible materials: SECTION 10: Stability and reactivity

Disposal: see section 13

## **SECTION 7: Handling and storage**

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

#### **Advice on safe handling**

Provide adequate ventilation.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

#### **Further information on handling**

Avoid release to the environment.

When using do not eat, drink or smoke.

Wash hands thoroughly after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Do not keep the container sealed.

#### **Hints on joint storage**

Incompatible materials: Acids, Base Oxidizing agent, Reducing agent, Radical former

Keep away from food, drink and animal feedingstuffs.

#### **Further information on storage conditions**

Ensure adequate ventilation of the storage area.

### **7.3. Specific end use(s)**

No information available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation.

#### **Eye/face protection**

Wear eye/face protection.

#### **Hand protection**

Wear suitable gloves.

#### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

#### **Environmental exposure controls**

Use appropriate container to avoid environmental contamination.

Do not allow to enter into surface water or drains.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	grey
Odour:	like: ester

#### **Changes in the physical state**

Flash point:	> 200 °C °C
Sustaining combustion:	No data available
Lower explosion limits:	Mixture not tested.
Upper explosion limits:	Mixture not tested.
Ignition temperature:	Mixture not tested.
Vapour pressure:	Mixture not tested.
Density (at 25 °C):	ca. 1.12 g/cm <sup>3</sup> g/cm <sup>3</sup>
Water solubility:	partially miscible
Partition coefficient:	Mixture not tested.
Vapour density:	Mixture not tested.

#### 9.2. Other information

none

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

In case of warming: Polymerisation

In case of light influence: Polymerisation

#### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

UV-radiation/sunlight

#### 10.5. Incompatible materials

Acids, Base, Oxidizing agent, Reducing agent, Radical former.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products: No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Acute toxicity**

LD50, oral (rat): > 2000 mg/kg (calculated from raw materials)

##### **ATEmix tested**

	Dose	Species	Source
LD50, oral	> 2000 mg/kg	-	(calc.)

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

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

##### 12.2. Persistence and degradability

Not readily biodegradable (according to OECD criteria)

##### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

##### 12.4. Mobility in soil

There are no data available on the mixture itself.

##### 12.6. Other adverse effects

There are no data available on the mixture itself.

##### **Further information**

slightly hazardous to water (WGK 1)

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### **Advice on disposal**

This material and its container must be disposed of as hazardous waste.

Do not allow to enter into surface water or drains.

Handle contaminated packages in the same way as the substance itself.

Recycle according to official regulations.

#### SECTION 14: Transport information

##### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	UN 3532
<b><u>14.2. UN proper shipping name:</u></b>	Polymerizing substance, liquid, stabilized, n.o.s.
<b><u>14.3. Transport hazard class(es):</u></b>	4.1
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	4.1



Classification code:	PM1
Special Provisions:	274 386
Limited quantity:	0
Excepted quantity:	E0
Transport category:	2
Hazard No:	40
Tunnel restriction code:	D

##### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	UN 3532
<b><u>14.2. UN proper shipping name:</u></b>	Polymerizing substance, liquid, stabilized, n.o.s.
<b><u>14.3. Transport hazard class(es):</u></b>	4.1
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	4.1

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Special Provisions: 274, 386  
 Limited quantity: 0  
 Excepted quantity: E0  
 EmS: F-J, S-G

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 3532  
**14.2. UN proper shipping name:** Polymerizing substance, liquid, stabilized, n.o.s.  
**14.3. Transport hazard class(es):** 4.1  
**14.4. Packing group:** III  
 Hazard label: 4.1



Special Provisions: A209  
 Limited quantity Passenger: Forbidden  
 Passenger LQ: Forbidden  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 459  
 IATA-max. quantity - Passenger: 10 L  
 IATA-packing instructions - Cargo: 459  
 IATA-max. quantity - Cargo: 25 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No transport as bulk according to IBC Code.

### SECTION 15: Regulatory information

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

##### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

##### Additional information

Storage class: 10

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

### SECTION 16: Other information

#### Relevant H and EUH statements (number and full text)

H361f Suspected of damaging fertility.  
 EUH210 Safety data sheet available on request.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*