

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Moiin High Temp

Revision date: 04.01.2022

Product code: DDE-High-Temp

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

#### 1.1. Product identifier

Moiin High Temp

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

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

Company name:	DMG Digital Enterprises SE	
Street:	Elbgastrasse 248	
Place:	D-22547 Hamburg	
Telephone:	+49 40 84006-0	Telefax: +49 40 84006-222
e-mail:	info@dmg-digital.com	
Contact person:	A. Brunner	
Internet:	www.dmg-digital.com	
Responsible Department:	Quality Management	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

TCDDA

TICTA

Aliphatic urethane acrylate

Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide

**Signal word:** Danger

**Pictograms:**



##### Hazard statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

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### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of Wash with plenty of soap and water ..
P321	Specific treatment (see ... on this label).
P332	If skin irritation occurs:
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P391	Collect spillage.
P501	Dispose of contents/container to ....

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
42594-17-2	TCDDA			50-75 %
	255-901-3		01-2120051112-76	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
40220-08-4	TICTA			15 - 25 %
	254-843-6		01-2120741502-64	
	Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 3; H318 H317 H412			
	Aliphatic urethane acrylate			15-25 %
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H315 H318 H317 H412			
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide			1 - 5 %
	423-340-5		01-2119489401-38	
	Skin Sens. 1, Aquatic Chronic 4; H317 H413			
128-37-0	2,6-Di-tert-butyl-4-methylphenol			0,1 - 1 %
	204-881-4		01-2119565113-46	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data)

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sheet if possible).

### After inhalation

Remove casualty to fresh air and keep warm and at rest.  
In case of respiratory tract irritation, consult a physician.

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin irritation, consult a physician.

### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### **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**

Carbon dioxide (CO<sub>2</sub>) , Foam , Water spray jet

#### **Unsuitable extinguishing media**

Full water jet

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

CO<sub>x</sub>

### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

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

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

Safe handling: see section 7

Wear personal protection equipment (refer to section 8).

Disposal: see section 13

## SECTION 7: Handling and storage

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

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

Provide adequate ventilation as well as local exhaustion at critical locations.

Handle and open container with care.

When using do not eat, drink, smoke, sniff.

Take off contaminated clothing and wash it before reuse.

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

Keep away from sources of ignition - No smoking.

Keep away from heat.

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Protect from sunlight. Store in a well-ventilated place.

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

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

Keep container tightly closed.

Protect from sunlight. Store in a well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### **8.1. Control parameters**

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	WEL

### **8.2. Exposure controls**

## SECTION 9: Physical and chemical properties

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

Physical state: Liquid

Colour:

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

## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

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

### **10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

### **10.4. Conditions to avoid**

Keep away from sources of ignition - No smoking.

Keep away from heat.

Protect from sunlight. Store in a well-ventilated place.

### **10.5. Incompatible materials**

Radical former, Peroxides, Alkali (lye), Oxidizing agent, Reducing agent.

### **10.6. Hazardous decomposition products**

CO<sub>x</sub>

## SECTION 11: Toxicological information

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Harmful if swallowed.

#### **ATEmix tested**

	Dose	Species	Source
LD50, oral	1339 mg/kg	rat	ATEmix, calc.

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CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
	Aliphatic urethane acrylate					
	oral	LD50 mg/kg	549,3			ATE mix
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide					
	oral	LD50 mg/kg	> 2000	rattus	MSDS	
	dermal	LD50 mg/kg	> 2000	rattus		
128-37-0	2,6-Di-tert-butyl-4-methylphenol					
	oral	LD50 mg/kg	> 6000	rattus	MSDS	OECD 401
	dermal	LD50 mg/kg	> 2000	rattus	MSDS	OECD 402

### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

### Sensitising effects

May cause an allergic skin reaction. (TCDDA; TICTA; Aliphatic urethane acrylate; Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide)

### Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide					
	Acute fish toxicity	LC50 mg/l	> 90	96 h B. rerio	MSDS	
	Acute algae toxicity	ErC50 mg/l	> 260	72 h D. subspicatus	MSDS	
	Acute crustacea toxicity	EC50 mg/l	> 1,175	48 h D. magna	MSDS	
	Acute bacteria toxicity	(> 100 mg/l)		3 h Belebtschlamm	MSDS	
128-37-0	2,6-Di-tert-butyl-4-methylphenol					
	Acute algae toxicity	ErC50 mg/l	> 0,4	72 h D. subspicatus	MSDS	
	Acute crustacea toxicity	EC50 mg/l	0,48	48 h D. magna	MSDS	OECD 202
	Acute bacteria toxicity	(> 10000 mg/l)		3 h Belebtschlamm	MSDS	OECD 209

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### 12.2. Persistence and degradability

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide		1 %	29	
128-37-0	2,6-Di-tert-butyl-4-methylphenol				
	Biologische Abbaubarkeit		< 10 %	20	OECD 301 D
	Nicht leicht biologisch abbaubar				

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide	5,8
128-37-0	2,6-Di-tert-butyl-4-methylphenol	5,10

#### BCF

CAS No	Chemical name	BCF	Species	Source
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide	< 5	C. carpio	

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

- Discharge into the environment must be avoided.
- Do not allow to enter into surface water or drains.
- Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

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

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

National regulatory information

### SECTION 16: Other information

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Acute Tox. 4; H302	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

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

- H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.  
 H413 May cause long lasting harmful effects to aquatic life.

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