

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**607 HTS-220**

Print date: 02.05.2016

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

Lubricants, greases, release products

##### Uses advised against

No information available.

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

Company name:	Ceramic Polymer GmbH a subsidiary of Chesterton International B.V.	
Street:	Daimlerring 9	
Place:	32289 Roedinghausen GERMANY	
Telephone:	+49 (0) 5223-96 27 6-0	Telefax: +49 (0) 5223-9 62 76-17
e-mail:	info@ceramic-polymer.de	
Internet:	www.chesterton.com	
Responsible Department:	info@ceramic-polymer.de	

#### 1.4. Emergency telephone

number: +49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

### SECTION 2: Hazards identification

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

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

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
68937-41-7	Phenol, isopropylated, phosphate (3:1)	1-2,5 %
	273-066-3	
	01-2119535109-41	
	Repr. 2, STOT RE 2, Aquatic Chronic 1 (M-Factor = 1); H361 H373 H410	
115-86-6	Triphenyl phosphate	<0,25 %
	204-112-2	
	01-2119457432-41	
	Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H400 H411	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove victim out of the danger area. When in doubt or if symptoms are observed, get medical advice.

##### After inhalation

Remove casualty to fresh air and keep warm and at rest.

##### 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

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

##### After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps.

#### 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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Sand

##### Unsuitable extinguishing media

Strong water jet

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

In case of fire may be liberated: Acrolein, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>)

#### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

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### Additional information

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Ventilate affected area.

### 6.2. Environmental precautions

Cover drains. Do not empty into drains.

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

Cover drains. Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Prevent spread over a wide area (e.g. by containment or oil barriers).

Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 12: Ecological information

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear personal protection equipment (refer to section 8). Do not breathe vapour/aerosol.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

Environmental precautions: Do not allow to enter into surface water or drains.

#### Further information on handling

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Protect containers against damage.

#### Advice on storage compatibility

Keep away from:

Oxidising agent

Food and feedingstuffs

#### Further information on storage conditions

Recommended storage temperature: 5-40 °C

Protect against: Frost, Heat, UV-radiation/sunlight

storage stability: <24 mon.

### 7.3. Specific end use(s)

No information available.

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### 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
115-86-6	Triphenyl phosphate	-	3		TWA (8 h)	WEL
		-	6		STEL (15 min)	WEL

##### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
68937-41-7	Phenol, isopropylated, phosphate (3:1)			
	Worker DNEL, long-term	inhalation	systemic	0,145 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	700 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	0,416 mg/kg bw/day
	Worker DNEL, acute	dermal	systemic	2000 mg/kg bw/day
	Worker DNEL, acute	dermal	local	16 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	inhalation	systemic	0,07 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	350 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	0,208 mg/kg bw/day
	Consumer DNEL, acute	dermal	systemic	100 mg/kg bw/day
	Consumer DNEL, acute	dermal	local	8 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	oral	systemic	0,04 mg/kg bw/day
	Consumer DNEL, acute	oral	systemic	50 mg/kg bw/day
115-86-6	Triphenyl phosphate			
	Worker DNEL, long-term	inhalation	systemic	5,2 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	5,55 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	0,9 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	1,98 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day

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### PNEC values

CAS No	Substance		Value
68937-41-7	Phenol, isopropylated, phosphate (3:1)	Environmental compartment	
		Freshwater sediment	0,185 mg/kg
		Marine sediment	0,018 mg/kg
		Secondary poisoning	1,85 mg/kg
		Soil	1 mg/kg
115-86-6	Triphenyl phosphate	Environmental compartment	
		Freshwater	0,004 mg/l
		Freshwater sediment	1,103 mg/kg
		Marine sediment	0,11 mg/kg
		Secondary poisoning	16,667 mg/kg
		Soil	0,218 mg/kg

### 8.2. Exposure controls

#### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection.

Only wear fitting, comfortable and clean protective clothing.

Avoid contact with skin, eyes and clothes.

When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. Apply skin care products after work.

#### Eye/face protection

goggles

#### Hand protection

Suitable gloves type: NBR (Nitrile rubber) DIN EN 374

Wearing time with permanent contact: NBR (Nitrile rubber) Thickness of the glove material: 0,7 mm,

Breakthrough time (maximum wearing time): >480 min

Wearing time with occasional contact (splashes): Wearing time with occasional contact (splashes): NBR

(Nitrile rubber) Thickness of the glove material: 0,7 mm, Breakthrough time (maximum wearing time) > 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear protective gloves/protective clothing/eye protection/face protection.

#### Respiratory protection

Usually no personal respiratory protection necessary.

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### SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

#### Test method

pH-Value: not determined

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	>270 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	>270 °C

#### Flammability

Solid:	not determined
Gas:	not determined

#### Explosive properties

not explosive according to EU A.14

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	>400 °C

#### Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidizing.

Vapour pressure: not determined

Density (at 15 °C): 0,97 g/cm<sup>3</sup>

Water solubility: Immiscible

#### Solubility in other solvents

not determined

Partition coefficient: >8

Viscosity / kinematic:  
(at 40 °C) 214 mm<sup>2</sup>/s

Vapour density: not determined

Evaporation rate: not determined

#### 9.2. Other information

No information available.

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### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No information available.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

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

No known hazardous reactions.

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

No information available.

#### **10.5. Incompatible materials**

Oxidising agent, strong  
Strong acid  
Alkali (lye)

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

No known hazardous decomposition products.

### SECTION 11: Toxicological information

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

##### **Toxicokinetics, metabolism and distribution**

Toxicological data are not available. The statement is derived from the properties of the single components.

##### **Acute toxicity**

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
68937-41-7	Phenol, isopropylated, phosphate (3:1)			
	dermal	LD50 > 10000 mg/kg	Rabbit	16 CFR 1500. 40
115-86-6	Triphenyl phosphate			
	oral	LD50 > 5000 mg/kg	Mouse	OECD Guideline 401
	dermal	LD50 > 7900 mg/kg	Rabbit	OECD Guideline 402

##### **Irritation and corrosivity**

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

##### **Sensitising effects**

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

##### **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.

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### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

Moderately/partially biodegradable.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

### Further information

Do not allow uncontrolled discharge of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose of waste according to applicable legislation.

#### Waste disposal number of waste from residues/unused products

120110 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; synthetic machining oils  
Classified as hazardous waste.

#### Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

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

### Inland waterways transport (ADN)

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



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### 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.

### Air transport (ICAO)

- 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  
Danger releasing substance: No dangerous good in sense of this transport regulation.

### 14.6. Special precautions for user

No information available.

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

No information available.

## 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

## SECTION 16: Other information

### Changes

No information available.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effectice concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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

H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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