

Safety Data Sheet

according to Regulation (EC) No 1907/2006

607(E) HTS-68

Revision date: 10.01.2022

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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 agents

Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
e-mail:	eu-sds@chesterton.com	
e-mail (Contact person):	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	

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

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

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 (Regulation (EC) No 1272/2008)			
68937-41-7	Phenol, isopropylated, phosphate (3:1)			1-2,5 %
	273-066-3		01-2119535109-41	
	Repr. 2, STOT RE 2, Aquatic Chronic 2; H361fd H373 H411			
115-86-6	Triphenyl phosphate			<0,25 %
	204-112-2		01-2119457432-41	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
68937-41-7	273-066-3	Phenol, isopropylated, phosphate (3:1)	1-2,5 %
	dermal: LD50 = > 10000 mg/kg		
115-86-6	204-112-2	Triphenyl phosphate	<0,25 %
	dermal: LD50 = > 10000 mg/kg; oral: LD50 = > 20000 mg/kg M acute; H400: M=1		

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

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. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

In case of eye irritation 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.

Do NOT induce vomiting.

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

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5.1. Extinguishing media

Suitable extinguishing media

- Foam,
- Extinguishing powder,
- Carbon dioxide (CO₂),
- 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 (CO₂),
- Carbon monoxide,
- Nitrogen oxides (NO_x)

5.3. Advice for firefighters

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

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

General advice

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

Safe handling: see section 7

Personal protection equipment: see section 8

6.2. Environmental precautions

Cover drains. Do not empty into drains.

6.3. Methods and material for containment and cleaning up

For containment

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).

For cleaning up

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

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Personal protection equipment: see section 8

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Advice on protection against fire and explosion

Measures to prevent fire: Usual measures for fire prevention.

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

Advice on general occupational hygiene

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.

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.

Hints on joint storage

Keep away from: Oxidising agent

Do not store together with: 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
115-86-6	Triphenyl phosphate	-	3		TWA (8 h)	

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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 ³
Worker DNEL, acute		inhalation	systemic	700 mg/m ³
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 ²
Consumer DNEL, long-term		inhalation	systemic	0,07 mg/m ³
Consumer DNEL, acute		inhalation	systemic	350 mg/m ³
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 ²
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	3,7 mg/m ³
Worker DNEL, long-term		dermal	systemic	1,05 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,91 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,525 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,525 mg/kg bw/day

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PNEC values

CAS No	Substance		Value
Environmental compartment			
68937-41-7	Phenol, isopropylated, phosphate (3:1)		
Freshwater			0 mg/l
Freshwater (intermittent releases)			0,015 mg/l
Marine water			0 mg/l
Freshwater sediment			0,185 mg/kg
Marine sediment			0,018 mg/kg
Secondary poisoning			1,85 mg/kg
Micro-organisms in sewage treatment plants (STP)			100 mg/l
Soil			2,5 mg/kg
115-86-6	Triphenyl phosphate		
Freshwater			0,00048 mg/l
Freshwater (intermittent releases)			0,003 mg/l
Marine water			0,000048 mg/l
Freshwater sediment			0,143 mg/kg
Marine sediment			0,014 mg/kg
Secondary poisoning			16,667 mg/kg
Micro-organisms in sewage treatment plants (STP)			5 mg/l
Soil			0,028 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.

Individual protection measures, such as personal protective equipment

Eye/face protection

goggles EN 166

Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material: $\geq 0,4$ mm, Breakthrough time: >480 min

Wearing time with occasional contact (splashes): Thickness of the glove material: $\geq 0,1$ mm, Breakthrough 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.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

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Respiratory protection

Usually no personal respirative protection necessary.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

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

Changes in the physical state

Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	>270 °C
Sublimation point:	No data available
Softening point:	No data available
Pour point:	-40 °C
Flash point:	>260 °C ISO 2592

Flammability

Solid/liquid:	No data available
Gas:	No data available

Explosive properties

not explosive according to EU A.14

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Auto-ignition temperature:	>400 °C

Self-ignition temperature

Solid:	No data available
Gas:	No data available

Decomposition temperature:	No data available
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pH-Value:	No data available
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Viscosity / kinematic: (at 40 °C)	~71 mm ² /s DIN EN ISO 3104
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Water solubility:	Immiscible
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Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not applicable
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Vapour pressure:	No data available
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Density (at 15 °C): 0,974 g/cm³
Relative vapour density: No data available

9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties
Not oxidising.

Other safety characteristics

Evaporation rate: No data available

Further Information

No information available.

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

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.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68937-41-7	Phenol, isopropylated, phosphate (3:1)				
	dermal	LD50 > 10000 mg/kg	Rabbit	Study report (1976)	other: 16 CFR 150.40
115-86-6	Triphenyl phosphate				
	oral	LD50 > 20000 mg/kg	Rat	Study report (1976)	OECD Guideline 401
	dermal	LD50 > 10000 mg/kg	Rabbit	Study report (1976)	OECD Guideline 402

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
No information available.

STOT-single exposure

Based on available data, the classification criteria are not met.
No information available.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
No information available.

Aspiration hazard

Based on available data, the classification criteria are not met.
No information available.

Specific effects in experiment on an animal

No information available.

Additional information on tests

No information available.

Practical experience

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

Other information

No information available.

Further information

No information available.

SECTION 12: Ecological information

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12.1. Toxicity

No information available.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
68937-41-7	Phenol, isopropylated, phosphate (3:1)					
	Acute fish toxicity	LC50 10,8 mg/l	96 h	Pimephales promelas	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 > 2,5 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	EU Method C.3
	Acute crustacea toxicity	EC50 1,5 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Fish toxicity	NOEC 0,0031 mg/l	33 d	Pimephales promelas	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC 0,0415 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	(EC50 > 1000 mg/l)	3 h	activated sludge, domestic	REACH Registration Dossier	OECD Guideline 209
115-86-6	Triphenyl phosphate					
	Acute fish toxicity	LC50 0,4 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	other: see below
	Acute algae toxicity	ErC50 2,45 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2000)	OECD Guideline 201
	Acute crustacea toxicity	EC50 1 mg/l	48 h	Daphnia magna	Aquatic Toxicology and Hazard Assessment	other: see below
	Fish toxicity	NOEC >= 0,001 mg/l	90 d	Oncorhynchus mykiss	Aquatic Toxicology and Hazard Assessment	Flow through system with 90d exposure pe
	Crustacea toxicity	NOEC 0,254 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211

12.2. Persistence and degradability

Moderately/partially biodegradable.

12.3. Bioaccumulative potential

No information available.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68937-41-7	Phenol, isopropylated, phosphate (3:1)	85000 - 150000
115-86-6	Triphenyl phosphate	4,63

BCF

CAS No	Chemical name	BCF	Species	Source
68937-41-7	Phenol, isopropylated, phosphate (3:1)	225	Lepomis macrochirus	REACH Registration D
115-86-6	Triphenyl phosphate	144	Oryzias latipes	REACH Registration D

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.

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

No information available.

12.7. 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

Disposal recommendations

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.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID 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 or ID 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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Marine transport (IMDG)

14.1. UN number or ID 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-TI/IATA-DGR)

14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):
Entry 3

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Phenol, isopropylated, phosphate (3:1)
Triphenyl phosphate

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,12.
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

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

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

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H361fd	Suspected of damaging fertility. Suspected of damaging 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.

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