

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Diphyl THT

Version 1.1      Revision Date: 08.11.2018      SDS Number: 103000008025      Date of last issue: 07.06.2018  
Country / Language: GB / EN(GB)

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

#### 1.1 Product identifier

Trade name : Diphyl THT  
Product code : 57735472  
Substance name : Terphenyl, hydrogenated  
EC-No. : 262-967-7  
REACH Registration Number : 01-2119488183-33-0004  
Substance name : Polyphenyls, quater- and higher, partially hydrogenated  
EC-No. : 273-316-1  
REACH Registration Number : 01-2119488183-33-0004  
Substance name : terphenyl  
EC-No. : 247-477-3  
REACH Registration Number : 01-2119488183-33-0004

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

Use of the Sub-stance/Mixture : Synthetic organic heat transfer medium

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

Supplier : LANXESS Distribution GmbH  
51369 Leverkusen, Germany  
Telephone : +4922188852288  
Telefax : +492143055787  
E-mail address of person responsible for the SDS : infosds@lanxess.com

#### 1.4 Emergency telephone number

0870 190 6777. National Chemical Emergency Centre

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Short-term (acute) aquatic hazard, Cate- H400: Very toxic to aquatic life.

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Long-term (chronic) aquatic hazard, Category 1      H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

**Prevention:**  
P273 Avoid release to the environment.

**Response:**  
P391 Collect spillage.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
Terphenyl, hydrogenated	61788-32-7 262-967-7	Aquatic Chronic 1; H410 M-Factor Aquatic Chronic: 10	>= 70 - < 90
terphenyl	26140-60-3 247-477-3	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor Aquatic Acute: 10	>= 2.5 - < 10

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		M-Factor Aquatic Chronic: 10	
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : If breathed in, move person into fresh air.  
Keep patient warm and at rest.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.  
Get medical attention if adverse health effects persist or are severe.  
If unconscious, place in recovery position and get medical attention immediately.  
Maintain open airway.  
Loosen tight clothing such as a collar, tie, belt or waistband.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention if symptoms occur.  
Wash contaminated clothing before re-use.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
If easy to do, remove contact lens, if worn.  
Continue to rinse for at least 10 minutes.  
Get medical attention if symptoms appear.
- If swallowed : If swallowed, rinse mouth with water (only if the person is conscious).  
Move the victim to fresh air.  
Keep patient warm and at rest.  
If conscious, make the victim drink the following:  
Give small amounts of water to drink.  
Stop if the exposed person feels sick as vomiting may be dangerous.  
Do not induce vomiting unless directed to do by medical personnel.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.  
Get medical attention if symptoms appear.  
Never give anything by mouth to an unconscious person.  
If unconscious, place in recovery position and get medical

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attention immediately.  
Loosen tight clothing such as a collar, tie, belt or waistband.

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

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

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

Treatment : See Section 11 for more detailed information on health effects and symptoms.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6: Accidental release measures

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

Personal precautions : No action shall be taken involving any personal risk or without suitable training.  
Keep unnecessary and unprotected personnel from entering.  
Do not breathe vapours, aerosols.  
Ensure adequate ventilation or exhaust ventilation in the working area.

### 6.2 Environmental precautions

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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

Methods for cleaning up : Stop leak if safe to do so.  
Pick up with sand or oil absorbing material.  
Disposed off through appropriate waste disposal carriers/authorities.

### 6.4 Reference to other sections

For disposal considerations see section 13.  
For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Workers should wash hands and face before eating, drinking and smoking.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.  
Keep container closed when not in use.  
Empty containers retain product residue; observe all precautions for product.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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

Requirements for storage areas and containers : Store in accordance with local regulations. Keep containers sealed until ready for use. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabelled containers.

Further information on storage stability : The product is chemically stable.

### 7.3 Specific end use(s)

Specific use(s) : No data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Terphenyl, hydrogenated	61788-32-7	TWA	2 ppm 19 mg/m <sup>3</sup>	2017/164/EU
Further information	Indicative			
		STEL	5 ppm 48 mg/m <sup>3</sup>	2017/164/EU
Further information	Indicative			
terphenyl	26140-60-3	STEL	0.5 ppm 4.8 mg/m <sup>3</sup>	GB EH40

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Terphenyl, hydrogenated	Workers	Dermal	Long-term exposure, Systemic effects	46.3 mg/kg bw/day
	Consumers	Dermal	Long-term exposure, Systemic effects	27.8 mg/kg bw/day
	Workers	Inhalation	Long-term exposure, Systemic effects	8.38 mg/m <sup>3</sup>
	Workers	Dermal	Long-term exposure, Local effects	0.2 mg/cm <sup>2</sup>
	Workers	Inhalation	Long-term exposure, Local effects	83.8 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term exposure, Systemic effects	2.5 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term exposure, Local effects	25 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term exposure, Local effects	0.12 mg/cm <sup>2</sup>

##### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Terphenyl, hydrogenated	Fresh water	0.0001 mg/l
Remarks:	Assessment Factors	
	Marine water	0.01 µg/L
	Assessment Factors	
	Intermittent use/release	0.001 mg/l
	Assessment Factors	
	Sediment	3.16 mg/kg dry weight (d.w.)
	Equilibrium Partitioning	
	Marine sediment	0.316 mg/kg dry weight (d.w.)
	Equilibrium Partitioning	

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	Soil	0.631 mg/kg dry weight (d.w.)
Equilibrium Partitioning		
	Sewage treatment plant	10.3 mg/l
Assessment Factors		
	Secondary Poisoning	2.22 mg/kg
Assessment Factors		

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Tightly fitting safety goggles
- Hand protection
- Wearing time : < 1 h
- Material : Polyvinyl chloride - PVC
- Material : Nitrile rubber - NBR
- Skin and body protection : Wear suitable protective clothing.
- Filter type : Combined inorganic and acidic gas/vapour, ammonia/amines and organic vapour type (ABEK)

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : Oily liquid.
- Colour : colourless to yellow
- Odour : characteristic
- Odour Threshold : No data available
- pH : No data available
- Melting point/range : < -24 °C
- Boiling point/boiling range : 350 - 360 °C  
(1,013 hPa)
- Flash point : 170 - 180 °C  
Method: closed cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : No data available

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Lower explosion limit : No data available

Vapour pressure : < 0.000075 mmHg (20 °C)

Relative vapour density : No data available

Relative density : No data available

Density : 0.98 - 1 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Water solubility : 0.00006 g/l

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : 29.9 mPa.s

Explosive properties : No data available

Oxidizing properties : No data available

### 9.2 Other information

Self-ignition : > 375 °C  
Auto-ignition temperature

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents



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### 10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

##### Terphenyl, hydrogenated:

- Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes
- Acute inhalation toxicity : LC50 (Rat): > 4.7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403
- Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Dosage caused no mortality

##### terphenyl:

- Acute oral toxicity : LD50 (Rat, female): 2,304 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes
- Acute inhalation toxicity : LC50 (Rat, male and female): > 3.8 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes  
Remarks: Dosage caused no mortality

#### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Remarks: Non-irritating

#### Components:

##### Terphenyl, hydrogenated:

Species: Rabbit  
Result: No skin irritation

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### **terphenyl:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Product:**

Remarks: Non-irritating

### **Components:**

#### **Terphenyl, hydrogenated:**

Species: Rabbit  
Result: No eye irritation

### **terphenyl:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: No eye irritation  
GLP: yes

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

#### **Terphenyl, hydrogenated:**

Exposure routes: Skin contact  
Species: Human  
Result: Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Terphenyl, hydrogenated:**

Genotoxicity in vitro : Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative

Test system: Chinese hamster cells

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Metabolic activation: with and without metabolic activation  
Result: negative

Test system: rat hepatocytes  
Metabolic activation: with and without metabolic activation  
Result: negative

### **terphenyl:**

Genotoxicity in vitro

: Test system: Bacteria  
Metabolic activation: with metabolic activation  
Method: OECD Test Guideline 471  
Result: positive  
GLP: yes

Test system: Bacteria  
Metabolic activation: without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Genotoxicity in vivo

: Species: Mammalian-Animal  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 475  
Result: negative  
GLP: yes

### **Carcinogenicity**

Not classified based on available information.

### **Product:**

Remarks: No known significant effects or critical hazards.

### **Components:**

#### **Terphenyl, hydrogenated:**

Remarks: No known significant effects or critical hazards.

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### Reproductive toxicity

Not classified based on available information.

### Components:

#### Terphenyl, hydrogenated:

Effects on fertility : Species: Rat, male and female  
General Toxicity - Parent: NOEL: 1,000 parts per million  
Method: OECD Test Guideline 416

Effects on foetal development : Species: Rat  
General Toxicity Maternal: NOAEL: 125 mg/kg body weight  
Embryo-foetal toxicity: NOAEL: 500 mg/kg body weight  
Method: OECD Test Guideline 414

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

### Components:

#### Terphenyl, hydrogenated:

Species: Rat, male and female  
NOAEL: 12 mg/kg  
Application Route: Oral

### Aspiration toxicity

Not classified based on available information.

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## SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

#### Terphenyl, hydrogenated:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 0.12 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Oryzias latipes (Japanese medaka)): 3.1 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.52 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

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Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Fresh water

Toxicity to microorganisms : NOEC (activated sludge): 103 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : LC50: 0.025 mg/l  
Exposure time: 21 d  
Species: Oryzias latipes (Japanese medaka)  
Method: OECD Test Guideline 204  
Remarks: Fresh water

NOEC: 0.005 mg/l  
Exposure time: 21 d  
Species: Oryzias latipes (Japanese medaka)  
Method: OECD Test Guideline 210  
Remarks: Fresh water

NOEC: 0.18 mg/l  
Exposure time: 21 d  
Species: Oryzias latipes (Japanese medaka)  
Method: OECD Test Guideline 204

NOEC: 0.011 mg/l  
Exposure time: 41 d  
Species: Oryzias latipes (Japanese medaka)  
Method: OECD Test Guideline 210  
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: Fresh water

M-Factor (Long-term (chronic) aquatic hazard) : 10

### terphenyl:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 33 mg/l  
Exposure time: 96 h  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.022 mg/l  
Exposure time: 48 h  
GLP: yes

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M-Factor (Short-term (acute) aquatic hazard) : 10

Toxicity to fish (Chronic toxicity) : NOEC: 0.037 - 0.064 mg/l  
Exposure time: 34 Days  
Species: Oncorhynchus mykiss (rainbow trout)  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0048 - 0.007 mg/l  
Exposure time: 21 Days  
Species: Daphnia magna (Water flea)  
GLP: yes

M-Factor (Long-term (chronic) aquatic hazard) : 10

### 12.2 Persistence and degradability

#### Components:

##### **Terphenyl, hydrogenated:**

Biodegradability : Result: Not readily biodegradable.

##### **terphenyl:**

Biodegradability : Result: Not readily biodegradable.

### 12.3 Bioaccumulative potential

#### Components:

##### **Terphenyl, hydrogenated:**

Partition coefficient: n-octanol/water : log Pow: 6.5  
Method: calculated

##### **terphenyl:**

Bioaccumulation : Bioconcentration factor (BCF): 21 - 129

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB)..

#### Components:

##### **Terphenyl, hydrogenated:**

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Assessment : This substance is considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 Other adverse effects

No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimised wherever possible.  
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.  
Empty containers retain product residue; observe all precautions for product.  
Dispose of in accordance with local regulations.  
Dispose of contents/ container to an approved waste disposal plant.

Contaminated packaging : The generation of waste should be avoided or minimised wherever possible.  
Empty containers retain residue and can be dangerous.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 3082  
ADR : UN 3082  
RID : UN 3082  
IMDG : UN 3082  
IATA : UN 3082

### 14.2 UN proper shipping name

ADN : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPHENYL)  
ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPHENYL)  
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPHENYL)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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N.O.S.  
(TERPHENYL)

**IATA** : Environmentally hazardous substance, liquid, n.o.s.  
(TERPHENYL)

### 14.3 Transport hazard class(es)

**ADN** : 9  
**ADR** : 9  
**RID** : 9  
**IMDG** : 9  
**IATA** : 9

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9



**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9



**RID**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9



**IMDG**  
Packing group : III  
Labels : 9



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### IATA (Cargo)

Packing instruction (cargo aircraft) : 964: 450.00 L  
Packing group : III  
Labels : 9



### IATA (Passenger)

Packing instruction (passenger aircraft) : 964: 450.00 L  
Packing group : III  
Labels : 9



## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes



### ADR

Environmentally hazardous : yes



### RID

Environmentally hazardous : yes



### IMDG

Marine pollutant : yes

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### IATA (Passenger)

Environmentally hazardous : yes



### IATA (Cargo)

Environmentally hazardous : yes



### 14.6 Special precautions for user

Hazard statements : Environmentally hazardous substance.  
Keep separated from foodstuffs.

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

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Terphenyl, hydrogenated

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors. : Neither banned nor restricted

REACH - Restrictions on the manufacture, placing on : Conditions of restriction for the fol-

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Diphyl THT

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the market and use of certain dangerous substances, preparations and articles (Annex XVII)

lowing entries should be considered:  
Number on list: 3

E1

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1

ENVIRONMENTAL  
HAZARDS

Quantity 1  
100 t

Quantity 2  
200 t

### 15.2 Chemical safety assessment

Chemical Safety Assessment not yet performed.

## SECTION 16: Other information

### Full text of H-Statements

H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
2017/164/EU : Commission Directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2017/164/EU / STEL : Short term exposure limit  
2017/164/EU / TWA : Limit Value - eight hours  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

### Further information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.