

**Safety Data Sheet**  
**According to Hazard Communication Standard (29 CFR 1910.1200)**

N-(CYCLOHEXYLTHIO) PHTHALIMIDE

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## 1. Identification

**Product name** N-(CYCLOHEXYLTHIO) PHTHALIMIDE

**Synonyms** -

**CAS #** 17796-82-6

**Product code** -

**Product use** Tyre.

**Manufacturer/Supplier**

**Supplier(Manufacturer):** DONGYING BOCHEN CHEMICAL CTP PVI CO.,LTD

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## 2. Hazard(s) identification

### GHS classification

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Skin sensitization	Category 1A
<b>Environmental hazards</b>	Hazardous to the aquatic environment(ACUTE)	Category 1
	Hazardous to the aquatic environment(CHRONIC)	Category 1

### GHS label elements

#### Hazard Pictograms



#### Signal word

Warning

#### Hazard statement

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

### Precautionary statement

#### Prevention

Avoid breathing dust/fume/ gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves.

#### Response

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Collect spillage.

<b>Storage</b>	Not applicable.
<b>Disposal</b>	Dispose of contents/container in corroding with local regulation.

### 3. Composition / information on ingredients

Components	CAS#	Percent
N-(CYCLOHEXYLTHIO) PHTHALIMIDE	17796-82-6	99%

### 4. First-aid Measures

#### First aid procedures

<b>Eye contact</b>	Wash out the eye with plenty of clean water.
<b>Skin contact</b>	Wash skin with warm water and treat with protective cream.
<b>Inhalation</b>	Remove from exposure, take exposed person to fresh air.
<b>Ingestion</b>	Drink cc 0.5 l lukewarm water, do not induce vomiting.

**Notes to physician** Treat symptoms.

### 5. Fire-fighting measures

**Flammable properties** Not available.

#### Extinguishing media

**Suitable extinguishing media** Water foam.

**Unsuitable extinguishing media** CO<sub>2</sub>.

**Firefighting equipment/instructions** Insulating self-contained breathing apparatus, respirator wit suitable filter.

**Hazardous combustion products** Carbon dioxide, nitrogen dioxide, sulfur oxides, if insufficient air by combustion toxic CO may arise.

### 6. Accidental release measures

**Personal precautions** Prevent the contact of the substance with glowing articles and prevent the initiating of fire or explosion of CTP dust with air. For personal protection see section 8.

**Environmental precautions** Prevent the leak of the substance into drainage, water and soil, CTP is water insoluble, heavier than water and sediments as sludge.

**Methods for cleaning up** Collection of contaminated dust into a vessel for waste or liquidation in incinerating plant.

### 7. Handling and storage

**Handling** To handle as with flammables, of which the dust with air can be explosive. Electronic installation in spaces of handling with Duslin® P must be in accordance with regulations for explosive environment. Handling with opened fire is forbidden. The empty wrappings from Duslin® P must be rid of substance rests on walls before repairing (cleaning by means of detergents etc.). The empty paper bags to liquidate in incinerating plant of wastes. For precautions see section 2.2.

**Storage** CTP is stored in original multi-layer paper bags or big-bags on pallets or in closed tanks with venting trough dust filter under slight overpressure of nitrogen atmosphere. CTP tends to caking; consequence is proportional to the higher temperature, pressure and storage time. Maximum storage temperature is 35°C. Storage life in undamaged original packaging is one year under the observation of storage conditions.

## 8. Exposure controls / personal protection

Control parameters:

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA:

Not Available

#### EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
N-(CYCLOHEXYLTHIO) PHTHALIMIDE	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
N-(CYCLOHEXYLTHIO) PHTHALIMIDE	Not Available	Not Available

#### Exposure controls:

**Appropriate engineering controls:** Dust mixed with air can be explosive so that prevent of excess dusting, ensure a sufficient ventilation.

#### Individual protection measures, such as personal protective equipment:

**Eye / face protection** Use suitable protective goggles.

**Skin protection** Put on suitable protective clothes. Use suitable protective gloves.

**Respiratory protection** Keep the lowest possible level of the dust concentration in air, in case of dusting, use a respirator.

**General hygiene considerations** 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. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid

**Form** Powder

**Color** White

**Odor** Slight

**Odor threshold** Not available

**pH** Not available

**Vapor pressure** Not available

**Melting point/Freezing point** 91-95°C

**initial boiling point and boiling range** 405.65°C

**Flash point** 150.3-156.5°C

**Evaporation rate** Not available

**Flammability (solid, gas)** Non flammable

**Explosion limits** Not available

**Vapor density** Not available

**Relative density** Not available

**Solubility (water)** 0.0124g/L

<b>Partition coefficient</b>	log Pow= 2.82-3.56
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Specific gravity</b>	Not available
<b>Density</b>	ca. 1.354 g/cm <sup>3</sup> (20°C)
<b>Flammability limits in air, upper, %by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available
<b>Other data</b>	
<b>Viscosity</b>	Not available
<b>Explosiveness</b>	Non explosive
<b>Oxidising properties</b>	No oxidizing properties
<b>Molecular formula</b>	C <sub>14</sub> H <sub>15</sub> NO <sub>2</sub> S
<b>Molecular weight</b>	261.34

## 10. Stability and reactivity

<b>Chemical stability</b>	It decomposes at temperature around 120°C.
<b>Conditions to avoid</b>	Incompatible materials. Chemically stable and non-volatile substance.
<b>Incompatible materials</b>	It shows non-corrosive effects on metals.
<b>Hazardous decomposition products</b>	Carbon dioxide, nitrogen dioxide, sulfur oxides, if insufficient air by combustion toxic CO may arise.
<b>Possibility of hazardous reactions</b>	No decomposition when used as directed.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

**Non-human toxicological data:** Not available

### Information on toxicological effects:

#### Acute toxicity:

<b>LD50(Oral, Rat):</b>	>= 2000 mg/kg bw
<b>LD50(Dermal, Rat):</b>	>= 2000 mg/kg bw
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified.
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

## 12. Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	0.69mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	1.21mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	>0.093mg/l	72h	Algae	OECD 201	N/A	N/A

**Persistence and degradability:** Not ready biodegradable.  
**Bioaccumulative potential:** BCF= 59.12 L/Kg.  
**Mobility in soil:** Koc= 483.  
**Results of PBT&vPvB assessment:** The substance is not PBT / vPvB.  
**Other adverse effects:** Very toxic to aquatic life with long lasting effects.

### 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

**Basic shipping requirements:**

**UN number** UN3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, solid, n.o.s.  
 ( N-(CYCLOHEXYLTHIO) PHTHALIMIDE)  
**Hazard class** 9  
**Packing group** III  
**Environmental hazards** Yes

#### IATA

**UN number** UN3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, solid, n.o.s.  
 ( N-(CYCLOHEXYLTHIO) PHTHALIMIDE)  
**Transport hazard class(es)** 9  
**Packing group** III  
**Environmental hazards** Yes

#### IMDG

**UN number** UN3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, solid, n.o.s.  
 ( N-(CYCLOHEXYLTHIO) PHTHALIMIDE)  
**Transport hazard class(es)** 9  
**Packing group** III  
**Environmental hazards** Yes

### 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

<b>N-(CYCLOHEXYLTHIO) PHTHALIMIDE (17796-82-6) is found on the following</b>	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
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## 16. Other information, including date of preparation or last revision

**HMIS® ratings**

Health: 2

Flammability: 1

Physical hazard: 0

**NFPA ratings**

Health: 2

Flammability: 1

Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

05-20-2015