

# Safety Data Sheet

According to (EC) No. 1907/2006

Day of issue: 29. April 2019

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

### 1.1. Product identifier

UFI: Not relevant

#### Substrates

pNPP Substrate, Cat. No. 4400

pNPP ONE Substrate, Cat. No. 4401

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

For research and analysis. Restricted to professional users.

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

See below

Responsible person for the safety data sheet (e-mail): support@kementec.com

### 1.4. Emergency telephone number

+45 3927 1771 (Only during office hours)

Poison Control Centers may be available in specific member countries

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP (1272/2008): None

### 2.2. Label elements

EUH208: Contains CMIT/MIT. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

### 2.3. Other hazards

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| % w/w   | Substance name | CAS-no.    | EC-no.    | Index-no.    | REACH reg.-no. | Classification                                                                                                                                                                                         |
|---------|----------------|------------|-----------|--------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <15 ppm | CMIT/MIT*      | 55965-84-9 | 611-341-5 | 613-167-00-5 | -              | Skin Corr. 1C;H314<br>Skin Sens. 1A;H317<br>Eye Dam. 1;H318<br>Acute Tox. 3;H301<br>Acute Tox. 2;H310<br>Acute Tox. 2;H330<br>Aquatic Acute 1;H400 (M=100)<br>Aquatic Chronic 1;H410 (M=100)<br>EUH071 |

### SECTION 3: Composition/information on ingredients (continued)

\* CMIT/MIT = reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1)

SCL (Specific Concentration limits) classification: Skin Sens. 1A;H317:  $C \geq 0,0015\%$ ; Skin Corr. 1C;H314:  $C \geq 0,6$ ; Eye Dam. 1;H318:  $C \geq 0,6$ ; Eye Irrit. 2;H319:  $0,06\% < C < 0,6\%$ ; Skin Irrit. 2;H315:  $0,06\% < C < 0,6\%$   
ATE (Inhalation, vapour) = 0,5 mg/l/4H; ATE (Dermal) = 50 mg/kg; ATE (Oral) = 53 mg/kg.

Wording of hazard statements - see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: get medical attention.  
Skin contact: Remove contaminated clothing and wash with soap and water. In case of rash, wound, or other skin irritation: Seek medical advice.  
Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.  
Ingestion: Rinse mouth and drink plenty of water. Keep under surveillance. If needed: get medical attention.

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

May cause slight irritation of skin, eyes and gastrointestinal tract. May cause an allergic reaction.

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

Show this safety data sheet to a physician or emergency ward.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Not combustible; aqueous solution.

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

Not relevant (the product is not combustible).

#### 5.3. Advice for firefighters

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

### SECTION 6: Accidental release measures

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

Use personal protective equipment - see section 8.

#### 6.2. Environmental precautions

Avoid empty into drains. If large amounts of the mixture contaminate sewages, inform appropriate authorities in accordance with local regulations.

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

Absorb spilled liquid and place spillage in a plastic container. Further handling of spillage - see section 13.

#### 6.4. Reference to other sections

See references above.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing.

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

At 2-8°C. Keep container closed when not in use. Protected against light.

#### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

EU Occupational exposure limits: None

DNEL/PNEC: No CSR.

### 8.2. Exposure controls

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Not relevant during normal use.

Skin: In case of prolonged or repeated work: Wear protective gloves (EN374) e.g. of nitrile. Breakthrough time: approximately 3 hours.

Eyes: Not relevant during normal use. Safety goggles (EN ISO 16321-1) when there is risk of eye contact.

Environmental exposure controls: None particular.

## SECTION 9: Physical and chemical properties

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

|                                                               |                             |
|---------------------------------------------------------------|-----------------------------|
| Physical state:                                               | Liquid                      |
| Colour:                                                       | None                        |
| Odour:                                                        | None                        |
| Melting point / freezing point (°C):                          | No available data           |
| Initial boiling point and boiling range (°C):                 | ~ 100                       |
| Flammability (solid, gas):                                    | Not relevant                |
| Lower and upper explosion limit (vol.-%):                     | Not relevant                |
| Flash point (°C):                                             | Not relevant                |
| Auto-ignition temperature (°C):                               | Not relevant                |
| Decomposition temperature (°C):                               | No available data           |
| pH:                                                           | No available data           |
| Kinematic viscosity:                                          | No available data           |
| Solubility:                                                   | Completely soluble in water |
| Partition coefficient: n-octanol/water, Log K <sub>ow</sub> : | No available data           |
| Vapour pressure (hPa, 20°C):                                  | ~ 2.3                       |
| Density and/or relative density (g/cm <sup>3</sup> ):         | ~ 1                         |
| Particle characteristics:                                     | Not relevant - liquid       |

### 9.2. Other information

None relevant

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No available data.

### 10.2. Chemical stability

Stable under normal conditions - see section 7.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

Excessive heating and freezing

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| Acute toxicity:                    | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation:         | Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation:     | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization: | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity:            | Based on available data, the classification criteria are not met. |
| Carcinogenicity:                   | Based on available data, the classification criteria are not met. |
| Reproductive toxicity:             | 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. |

| Hazard class          | Data (CMIT/MIT)                                | Test     | Data source |
|-----------------------|------------------------------------------------|----------|-------------|
| Acute toxicity:       |                                                |          |             |
| Inhalation            | LC <sub>50</sub> (rat) > 0.5 mg/l/4H (vapours) | No info  | Supplier    |
| Dermal                | LD <sub>50</sub> (rabbit) = 50 mg/kg           | No info  | EU Biocide  |
| Oral                  | LD <sub>50</sub> (rat) = 53 mg/kg              | No info  | Supplier    |
| Corrosion/irritation: | Corrosive, rabbit                              | OECD 404 | EU Biocide  |
| Sensitization:        | Skin sensitization                             | Buehler  | EU Biocide  |
| CMR:                  | No available or applicable data.               | -        | -           |

Information on likely routes of exposure: Skin, lungs and ingestion.

#### Symptoms:

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Inhalation:      | Inhalation of atomized liquid may cause irritation of the upper respiratory tract.              |
| Skin:            | May cause irritation with redness.                                                              |
| Eyes:            | May cause irritation with redness.                                                              |
| Ingestion:       | Ingestion of large amounts can cause irritation with nausea and stomach ache.                   |
| Chronic effects: | Frequent contact with skin may cause sensitization. Symptoms are redness, swelling and itching. |

### 11.2. Information on other hazards:

None known

## SECTION 12: Ecological information

### 12.1. Toxicity

| Aquatic    | Data (CMIT/MIT)                                            | Test (Media) | Data source |
|------------|------------------------------------------------------------|--------------|-------------|
| Fish       | LC <sub>50</sub> (Salmo gairdneri, 96h) = 0.19 mg/l        | No info      | EU Biocide  |
| Crustacean | EC <sub>50</sub> (Crassostrea virginica, 48h) = 0.028 mg/l | No info      | EU Biocide  |
| Algae      | EC <sub>50</sub> (Selenastrum cap. 72h) = 0.018 mg/l       | No info      | EU Biocide  |

### 12.2. Persistence and degradability

CMIT/MIT is not readily biodegradable (<56%, 28d, OECD 301B).

### 12.3. Bioaccumulative potential

CMIT/MIT:  $1 < \log K_{ow} < 3$  – Possible moderate bioaccumulative.

### 12.4. Mobility in soil

No available or applicable data.

### 12.5. Results of PBT and vPvB assessment

No ingredients are PBT/vPvB, according to the criteria in Regulation 2023/707.

### 12.6. Endocrine disrupting properties:

None known.

### 12.7. Other adverse effects

None known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

#### **EWC-code:**

16 05 09 (mixture itself)

15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

## **SECTION 14: Transport information**

Not dangerous goods according to ADR/RID/IMDG/IATA

**14.1. UN number or ID number:** None

**14.2. UN proper shipping name** None

**14.3. Transport hazard class(es)** None

**14.4. Packing group** None

**14.5. Environmental hazards** None

**14.6. Special precautions for user** None

**14.7. Maritime transport in bulk according to IMO instruments** Not relevant

## **SECTION 15: Regulatory information**

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

None

**15.2. Chemical safety assessment**

No CSR

## **SECTION 16: Other information**

### **Hazard statements mentioned in section 3:**

H301: Toxic if swallowed.

H310: Fatal in contact with skin.

H330: Fatal if inhaled.

H314: Causes severe skin burns and eye damage.

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.

EUH071: Corrosive to the respiratory tract.

EUH208: Contains ... May produce an allergic reaction.

EUH210: Safety data sheet available on request.

### **Abbreviations:**

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC50 = Effect Concentration 50 %

FW = Fresh Water

LC<sub>50</sub> = Lethal Concentration 50 %

LD<sub>50</sub> = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

## **SECTION 16: Other information (continued)**

### **Literature:**

ECHA = European Chemicals Agency

EU Biocide = Assessment Report for CMIT/MIT

### **Training advice:**

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

### **Other information:**

This Safety Data Sheet is intended as a service to customers/users of this product.

### **Changes since the previous edition:**

1, 2, 3, 4, 8, 11, 12, 16

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