

# SAFETY DATA SHEET

## CUROX®CC-DC



Version 4.0      Revision Date: 2024/11/06      SDS Number (Internal): 600000000033      Date of last issue: 2024/06/17  
Date of first issue: 2018/03/14

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CUROX®CC-DC

#### Manufacturer or supplier's details

Company : United Initiators GmbH  
Address : Dr.-Gustav-Adolph-Str. 3  
82049 Pullach  
Emergency telephone number : +82-02-6245-1610  
E-mail address : contact@united-in.com


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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin sensitisation : Category 1B  
Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container according to waste-related laws

**Other hazards which do not result in classification**

No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Solid organic

**Components**

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
1,1'-(1,1,2,2-tetramethylethylene)dibenzene	1,1'-(1,1,2,2-tetramethylethylene)dibenzene	1889-67-4	>= 90 - < 95

### 4. FIRST AID MEASURES

General advice : Take off contaminated clothing and shoes immediately.  
Call a physician immediately.  
Never give anything by mouth to an unconscious person.  
If unconscious, place in recovery position and seek medical advice.

Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

In case of skin contact : If symptoms persist, call a physician.  
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

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- Wash contaminated clothing before re-use.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- If inhaled : Administer oxygen if breathing is difficult or cyanosis is observed.  
If breathed in, move person into fresh air.  
If not breathing, give artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- If swallowed : Call a physician immediately.  
Keep respiratory tract clear.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
sensitising effects
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
- Notes to physician : Treat symptomatically and supportively.
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### 5. FIREFIGHTING MEASURES

#### Suitable and unsuitable extinguishing media

Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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Do not use a solid water stream as it may scatter and spread fire.  
Remove undamaged containers from fire area if it is safe to do so.  
Use water spray to cool unopened containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.  
Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Treat recovered material as described in the section "Disposal considerations".

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Clear spills immediately.  
To clean the floor and all objects contaminated by this material, use plenty of water.  
Soak up with inert absorbent material.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

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### 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.

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Provide sufficient air exchange and/or exhaust in work rooms. Smoking, eating and drinking should be prohibited in the application area.

Wash thoroughly after handling.

For personal protection see section 8.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : Observe label precautions.  
Store in accordance with the particular national regulations. Electrical installations / working materials must comply with the technological safety standards.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature : < 40 °C

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Minimize workplace exposure concentrations.

#### **Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.**

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Filter type : Filter type P

Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.  
Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.  
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.  
Tightly fitting safety goggles  
Please wear suitable protective goggles. Also wear face protection if there is a splash hazard.

#### Hand protection

Material : butyl-rubber

Break through time : 480 min

Glove thickness : 0.47 mm

Material : Nitrile rubber

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Break through time : 480 min  
Glove thickness : 0.40 mm

Remarks : The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.  
Wear as appropriate:  
Flame retardant antistatic protective clothing.

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Keep away from food and drink.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : flakes  
Colour : white  
Odour : bitter almond  
Odour Threshold : No data available  
pH : substance/mixture is non-soluble (in water)  
Melting point/freezing point : 106 °C  
(10 hPa)

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Method: OECD Test Guideline 102

Boiling point/boiling range : 154 °C

Flash point : Not applicable

Evaporation rate : Not applicable

Self-ignition : The substance or mixture is not classified as pyrophoric.

Upper explosion limit / Upper flammability limit : Upper explosion limit  
Not applicable

Lower explosion limit / Lower flammability limit : Lower explosion limit  
Not applicable

Vapour pressure : 0.0003 hPa (25 °C)

Bulk density : ca. 380 kg/m<sup>3</sup> (20 °C)  
Method: ISO 697

Solubility(ies)  
Water solubility : 0.08 g/l insoluble (20 °C)

Solubility in other solvents : soluble  
Solvent: toluene

soluble  
Solvent: Alcohol

Relative vapour density : not determined

Relative density : not determined

Density : not determined

Partition coefficient: n-octanol/water : log Pow: > 6.5 (25 °C)  
The value is calculated

Auto-ignition temperature : not determined

Viscosity  
Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive Avoid dust formation.

Oxidizing properties : The substance or mixture is not classified as oxidizing.

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Self-heating substances : The substance or mixture is not classified as self heating.

Particle characteristics  
Particle size : not determined

Particle Size Distribution : No data available

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### 10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions : Reactivity:  
Stable under recommended storage conditions.  
Chemical stability:  
Stable under recommended storage conditions.  
Possibility of hazardous reactions:  
Stable under recommended storage conditions.  
Possibility of hazardous reactions:  
Dust may form explosive mixture in air.

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition products : Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

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### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

#### Health hazard information

##### Acute toxicity

No data available

##### Product:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: No mortality observed at this dose.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity



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### Components:

#### **1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: No mortality observed at this dose.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

### **Skin corrosion/irritation**

Not applicable

### Product:

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

Remarks : May cause skin irritation in susceptible persons.

### Components:

#### **1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

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

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

Not applicable

### Product:

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

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

### Components:

#### **1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

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

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### Respiratory or skin sensitisation

#### Respiratory sensitisation

No data available

#### Skin sensitisation

May cause an allergic skin reaction.

#### Product:

Exposure routes : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : The product is a skin sensitiser, sub-category 1B.  
  
Remarks : Causes sensitisation.

#### Components:

##### 1,1'-(1,1,2,2-tetramethylethylene)dibenzene:

Exposure routes : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : The product is a skin sensitiser, sub-category 1B.

### Carcinogenicity

No data available

#### Components:

##### 1,1'-(1,1,2,2-tetramethylethylene)dibenzene:

No data available

### Germ cell mutagenicity

No data available

#### Product:

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
  
Test Type: Chromosomal aberration  
Test system: Chinese hamster cells  
Method: OECD Test Guideline 473  
Result: negative  
  
Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster ovary cells  
Method: OECD Test Guideline 476

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Genotoxicity in vivo      :      Result: negative  
Remarks: Not classified  
Not classified due to data which are conclusive although insufficient for classification.

### Components:

#### **1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

No data available

Genotoxicity in vitro      :      Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosomal aberration  
Test system: Chinese hamster cells  
Method: OECD Test Guideline 473  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster ovary cells  
Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo      :      Remarks: Not classified  
Not classified due to data which are conclusive although insufficient for classification.

### **Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

#### **Product:**

Effects on fertility      :      Species: Rat  
Strain: wistar  
Application Route: Oral  
General Toxicity - Parent: NOAEL: 10 mg/kg body weight  
General Toxicity F1: NOAEL: 30 mg/kg body weight  
Fertility: NOAEL Parent: 30 mg/kg body weight  
Method: OECD Test Guideline 422

Species: Rat  
Application Route: Oral  
General Toxicity - Parent: NOAEL: 15 mg/kg bw/day  
General Toxicity F1: NOAEL: 15 mg/kg bw/day  
Method: OECD Test Guideline 443  
GLP: yes

Species: Rat  
Application Route: Oral

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Effects on foetal development	: Fertility: NOAEL: 15 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes  Species: Rat Application Route: Oral Fertility: NOAEL F1: 50 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes
Reproductive toxicity - Assessment	: Species: Rat Strain: wistar Application Route: Oral General Toxicity Maternal: NOAEL: 10 mg/kg body weight Developmental Toxicity: NOAEL: 10 mg/kg body weight Method: OECD Test Guideline 414  Species: Rabbit Strain: NZW Application Route: Oral General Toxicity Maternal: NOAEL: 40 mg/kg bw/day Developmental Toxicity: NOAEL: 40 mg/kg bw/day Method: OECD Test Guideline 414 GLP: yes  Species: Rat Application Route: Oral Developmental Toxicity: NOAEL F1: 15 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes  Species: Rat Application Route: Oral Developmental Toxicity: NOAEL F2: 50 mg/kg body weight Method: OECD Test Guideline 443 GLP: yes  : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments., Suspected of damaging fertility. Suspected of damaging the unborn child.

**Components:**

**1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

Suspected of damaging fertility or the unborn child.

Effects on fertility	: Species: Rat Strain: wistar Application Route: Oral General Toxicity - Parent: NOAEL: 10 mg/kg body weight
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	<p>General Toxicity F1: NOAEL: 30 mg/kg body weight Fertility: NOAEL Parent: 30 mg/kg body weight Method: OECD Test Guideline 422</p> <p>Species: Rat Application Route: Oral General Toxicity - Parent: NOAEL: 15 mg/kg bw/day General Toxicity F1: NOAEL: 15 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes</p> <p>Species: Rat Application Route: Oral Fertility: NOAEL: 15 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes</p> <p>Species: Rat Application Route: Oral Fertility: NOAEL F1: 50 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes</p>
Effects on foetal development	<p>: Species: Rat Strain: wistar Application Route: Oral General Toxicity Maternal: NOAEL: 10 mg/kg body weight Developmental Toxicity: NOAEL: 10 mg/kg body weight Method: OECD Test Guideline 414</p> <p>Species: Rabbit Strain: NZW Application Route: Oral General Toxicity Maternal: NOAEL: 40 mg/kg bw/day Developmental Toxicity: NOAEL: 40 mg/kg bw/day Method: OECD Test Guideline 414 GLP: yes</p> <p>Species: Rat Application Route: Oral Developmental Toxicity: NOAEL F1: 15 mg/kg bw/day Method: OECD Test Guideline 443 GLP: yes</p> <p>Species: Rat Application Route: Oral Developmental Toxicity: NOAEL F2: 50 mg/kg body weight Method: OECD Test Guideline 443 GLP: yes</p>
Reproductive toxicity - Assessment	<p>: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experi-</p>

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ments., Suspected of damaging fertility. Suspected of damaging the unborn child.

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

#### Product:

Species : Rat, male and female  
NOAEL : 10 mg/kg  
Application Route : Oral  
Exposure time : 90 d  
Method : OECD Test Guideline 408  
GLP : yes

#### Components:

##### 1,1'-(1,1,2,2-tetramethylethylene)dibenzene:

Species : Rat, male and female  
NOAEL : 10 mg/kg  
Application Route : Oral  
Exposure time : 90 d  
Method : OECD Test Guideline 408  
GLP : yes

### Aspiration toxicity

No data available

### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

#### Product:

Remarks : No data available

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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Product:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : NOEC: > 1,000 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition of activated sludge  
Method: OECD Test Guideline 209

#### Ecotoxicology Assessment

- Acute aquatic toxicity : This product has no known ecotoxicological effects.
- Chronic aquatic toxicity : This product has no known ecotoxicological effects.

##### Components:

##### **1,1'-(1,1,2,2-tetramethylethylene)dibenzene:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Test Type: static test

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Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to microorganisms : NOEC: > 1,000 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition of activated sludge  
Method: OECD Test Guideline 209

### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Product:

Biodegradability : Result: Not readily biodegradable.  
Method: OECD Test Guideline 301D

#### Components:

##### 1,1'-(1,1,2,2-tetramethylethylene)dibenzene:

Biodegradability : Result: Not readily biodegradable.  
Method: OECD Test Guideline 301D

### Bioaccumulative potential

#### Components:

##### 1,1'-(1,1,2,2-tetramethylethylene)dibenzene:

Partition coefficient: n-octanol/water : log Pow: > 6.5 (25 °C)

### Mobility in soil

No data available



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### Other adverse effects

#### Product:

Additional ecological information : No data available

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Dispose of in accordance with local regulations. Clean container with water. Dispose of contents/ container to an approved waste disposal plant. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

### Disposal precautions

Dispose of contents and container according to wastes control act.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### **UNRTDG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

#### **IATA-DGR**

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

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### IMDG-Code

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

Refer to section 15 for specific national regulation.

### Special precautions for user

Not applicable

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## 15. REGULATORY INFORMATION

### National regulatory information

#### Regulation under the Occupational Safety and Health Act

#### Harmful Substances Prohibited from Manufacturing

Not applicable

#### Harmful Substances Required Permission for Manufacture

Not applicable

#### Harmful Agents to be kept below Occupational Exposure Limits

Not applicable

#### Harmful Agents Required to be kept below Permission Levels

Not applicable

#### Hazardous substances requiring management

Not applicable

#### Special Management Materials

Not applicable

#### Controlled Substances Subject to Environment Monitoring

Not applicable

#### Controlled Substances Subject to Health Examination

Not applicable

#### Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

#### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

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### **K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)**

Not applicable

### **Regulation under the Chemicals Control Act**

#### **Toxic Chemicals**

Not applicable

#### **Restricted Chemicals**

Not applicable

#### **Prohibited Chemicals**

Not applicable

#### **Toxic Release Inventory**

Not applicable

#### **Accident Precaution Chemicals**

Not applicable

#### **Dangerous Substances Safety Management Act**

Not Applicable to Dangerous Materials

#### **Wastes Control Act**

Industrial general wastes

Follow article 13 of the act to dispose the product waste

### **Other requirements in domestic and other countries**

#### **The components of this product are reported in the following inventories:**

TCSI (TW)	:	On the inventory, or in compliance with the inventory
TSCA (US)	:	All substances listed as active on the TSCA inventory
AIIC (AU)	:	On the inventory, or in compliance with the inventory
DSL (CA)	:	All components of this product are on the Canadian DSL
ENCS (JP)	:	On the inventory, or in compliance with the inventory
ISHL (JP)	:	On the inventory, or in compliance with the inventory
KECI (KR)	:	On the inventory, or in compliance with the inventory
IECSC (CN)	:	On the inventory, or in compliance with the inventory

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## 16. OTHER INFORMATION

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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Other information : This safety datasheet only contains information relating to safety and does not replace any product information or product specification.  
These safety instructions also apply to empty packaging which may still contain product residues.  
The hazards on the label also apply to residues in the container.

Date format : yyyy/mm/dd

### Full text of other abbreviations

AllC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumu-

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lative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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