

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX®CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

### SECTION 1. IDENTIFICATION

Trade name : CUROX®CC-DC  
Other means of identification : No data available  
CAS-No. : 1889-67-4

#### Manufacturer or supplier's details

Company name of supplier : United Initiators, Inc.

Address : 555 Garden Street  
Elyria OH 44035 USA

United Initiators Canada Ltd.  
2147 PG Pulp Mill Road  
Prince George, BC-V2N 2S6 CANADA

Telephone : +1-440-323-3112

Telefax : +1-440-323-2659

Emergency telephone : CHEMTREC US (24h): +1-800-424-9300  
CHEMTREC WORLD (24h): +1-703-527-3887  
CANUTEC (24h): 1-613-996-6666

For Transportation Incidents : GFL Environmental Inc. (24h):  
1-800-567-7455

E-mail address of person responsible for the SDS : cs-initiators.nafta@united-in.com

#### Recommended use of the chemical and restrictions on use

Recommended use : polymerization initiators  
Fire retardant

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Skin sensitization : Sub-category 1B

Reproductive toxicity : Category 2

# SAFETY DATA SHEET


according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

### GHS label elements

Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H317 May cause an allergic skin reaction. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
Precautionary Statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. <b>Response:</b> P302 + P352 IF ON SKIN: Wash with plenty of water. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. <b>Storage:</b> P405 Store locked up. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Substance
Chemical nature	:	Solid organic

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

Substance name : 1,1'-(1,1,2,2-tetramethylethylene)dibenzene  
CAS-No. : 1889-67-4  
Common Name/Synonym : No data available

### Components

Chemical name	Common Name/Synonym	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 *

\* Actual concentration or concentration range is withheld as a trade secret

### SECTION 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 material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

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.

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.  
Wash contaminated clothing before re-use.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

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

If swallowed : Call a physician immediately.  
Keep respiratory tract clear.  
If symptoms persist, call a physician.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction. Suspected of damaging fertility. Suspected of damaging the unborn child. sensitizing 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.

---

### SECTION 5. FIRE-FIGHTING MEASURES

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 : 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.

Further information : 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.

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

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures : Follow safe handling advice and personal protective equipment recommendations.

---

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

- gency procedures : 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 : Clear spills immediately.  
containment and cleaning up : 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.

---

### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Advice on protection against : Avoid dust formation.  
fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
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 sensitization 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.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

Recommended storage temperature : < 40 °C

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

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

#### Personal protective equipment

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

Filter type : Filter type P

Use NIOSH approved respiratory protection.

#### Hand protection

Material : butyl-rubber  
Break through time : 480 min  
Glove thickness : 0.47 mm

Material : Nitrile rubber  
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.

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.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

- 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.
- 

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

Lower explosion limit / Lower flammability limit	:	Lower explosion limit Not applicable
Vapor pressure	:	0.0003 hPa (25 °C)
Relative vapor density	:	not determined
Relative density	:	not determined
Density	:	not determined
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
Partition coefficient: n-octanol/water	:	log Pow: > 6.5 (25 °C)  The value is calculated
Autoignition 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.
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

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under recommended storage conditions.



# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

Possibility of hazardous reactions	:	Stable under recommended storage conditions. 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

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### 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

#### 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**

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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

---

### **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**

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

### **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

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified due to lack of data.

### **Product:**

Routes of exposure : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : The product is a skin sensitizer, sub-category 1B.

Remarks : Causes sensitization.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

### Components:

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

Routes of exposure : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : The product is a skin sensitizer, sub-category 1B.

### **Germ cell mutagenicity**

Not classified due to lack of data.

### 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  
Result: negative

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

### Components:

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

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.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

---

icient for classification.

### **Carcinogenicity**

Not classified due to lack of data.

### **Reproductive toxicity**

Suspected of damaging fertility. Suspected of damaging 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 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
Effects on fetal development	:	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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

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

Reproductive toxicity - Assessment : 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:**

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  
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

Effects on fetal development : Species: Rat  
Strain: wistar  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 10 mg/kg body weight

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version 3.0      Revision Date: 11/06/2024      SDS Number: 600000000033      Date of last issue: 04/29/2024  
Date of first issue: 05/08/2018

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

Reproductive toxicity - Assessment : 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.

### STOT-single exposure

Not classified due to lack of data.

### STOT-repeated exposure

Not classified due to lack of data.

### 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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

Method : OECD Test Guideline 408  
GLP : yes

### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Remarks : No data available

---

## SECTION 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.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

### 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  
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



# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

### 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

#### Other adverse effects

#### Product:

Additional ecological information : No data available

---

## SECTION 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.

---

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX® CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

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

Not applicable for product as supplied.

### Domestic regulation

#### TDG

Not regulated as a dangerous good

### Special precautions for user

Not applicable

---

## SECTION 15. REGULATORY INFORMATION

### The ingredients 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

### Canadian lists

No substances are subject to a Significant New Activity Notification.

---

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AiIC - 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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CUROX®CC-DC

Version	Revision Date:	SDS Number:	Date of last issue: 04/29/2024
3.0	11/06/2024	600000000033	Date of first issue: 05/08/2018

---

- 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, Bioaccumulative 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

This material 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.

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

Revision Date : 11/06/2024  
Date format : mm/dd/yyyy

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.

CA / Z8