

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** CITRO POWER O.V.

**Date of Revision:** January 31, 2018

**Product Code:** D333

**Other Name(s):**

**Distributed By:**

**Recommended Use and Restrictions on Use:**

**Manufactured By:** Ostrem Chemical Co. Ltd.  
2310 - 80th Avenue NW  
Edmonton, Alberta, Canada T6P 1N2  
www.ostrem.com

Phone: 780-440-1911  
In Case of Emergency Only, Phone  
CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Eye Damage/Irritation - Category 2A  
Flammable Liquids - Category 3

**Label Elements:**

**Hazard Pictogram(s):**



**Signal Word:** WARNING

**Hazard Statement(s):** Causes serious eye irritation.  
Flammable liquid and vapour.

**Precautionary Statement(s):**

- Prevention:** Wash hands thoroughly after handling.  
Wear protective gloves, protective clothing, and eye/face protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- Storage:** Store in a well-ventilated place. Keep cool.
- Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**  
not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
dodecylbenzene isopropylamine sulfonate	1 - 5%	26264-05-1	
trisodium nitrilotriacetate	1 - 5%	5064-31-3	
triethanolamine	1 - 5%	102-71-6	
d-limonene	10 - 30%	5989-27-5	
glycol ether DB	3 - 7%	112-34-5	

## 4. FIRST-AID MEASURES

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## Necessary Measures:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF SWALLOWED: Do not induce vomiting. Call a poison centre or physician if you feel unwell.  
IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

## Most important symptoms, both acute and delayed:

Causes serious eye irritation.

## Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

## 5. FIRE-FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate oxides of carbon and nitrogen.

### Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear appropriate protective equipment. See section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Wash hands thoroughly after handling.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not ingest. Avoid contact with eyes, skin and clothing.

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

Store in a well-ventilated place. Keep cool.  
Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

<u>Ingredient:</u>	<u>Limit:</u>
dodecylbenzene isopropylamine sulfonate	not available
trisodium nitrilotriacetate	not available
triethanolamine	not available
d-limonene	not available
glycol ether DB	not available

### Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

### Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

### Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	orange liquid
Odour:	citrus odour
Odour threshold:	not available
pH:	8.5 - 9
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	48 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	1.000
Solubility(ies):	
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal use conditions.

### Chemical stability:

Stable.

### Possibility of hazardous reactions:

not available

### Conditions to avoid (e.g.: static discharge, shock or vibration):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Incompatible materials:

Oxidizers / Acid

### Hazardous decomposition products:

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye irritation.
Skin contact:	May cause mild skin irritation.
Skin absorption:	not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	not available

### Mutagenicity:

not available

### Carcinogenicity:

This information, if applicable, can be found in Section 2.

### Reproductive toxicity:

This information, if applicable, can be found in Section 2.

### Sensitization of product:

This information, if applicable, can be found in Section 2.

### Specific Target Organ Toxicity - single exposure:

This information, if applicable, can be found in Section 2.

### Specific Target Organ Toxicity - repeated exposure:

This information, if applicable, can be found in Section 2.

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## Toxicological Data:

### Ingredient:

dodecylbenzene isopropylamine sulfonate  
trisodium nitrilotriacetate  
triethanolamine  
d-limonene  
glycol ether DB

### Data:

Oral LD50: 1300 mg/kg (rat)  
Oral LD50: 1450 mg/kg (rat)  
Oral LD50: 4000 mg/kg (rat)  
not available  
LD50 = 5560 ORAL RAT

## Other Toxicological Information on Ingredients:

### trisodium nitrilotriacetate

Suspected of causing cancer.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity (aquatic and terrestrial, where available):</b>	not available
<b>Persistence and degradability:</b>	not available
<b>Bioaccumulative potential:</b>	not available
<b>Mobility in soil:</b>	not available
<b>Other adverse effects:</b>	not available
<b>Ecological Information on Ingredients:</b>	not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Disposal of all waste must be done according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG classification:** NON-REGULATED

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

**Prepared by:** Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

**Date of Preparation:** January 20, 2017

**Date of Revision:** January 31, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

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