

# Safety Data Sheet

## Lutron® Q 75

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(30050771/SDS\_GEN\_CA/EN)

### 1. Identification

#### Product identifier used on the label

## Lutron® Q 75

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

Recommended use\*: Raw material for the chemical-technical industry

Recommended use\*: Raw material

Suitable for use in industrial sector: chemical industry

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

##### Company:

BASF Canada Inc.

5025 Creekbank Road

Building A, Floor 2

Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Chemical family: Aqueous solution based on:

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### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

#### Classification of the product

Eye Dam./Irrit.

2A

Serious eye damage/eye irritation

#### Label elements

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Pictogram:



Signal Word:  
Warning

Hazard Statement:  
H319 Causes serious eye irritation.

Precautionary Statements (Prevention):  
P280 Wear eye protection.  
P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical attention.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

#### Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 72 - 77 %

## 3. Composition / Information on Ingredients

### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Tetrahydroxypropylethylenediamine  
CAS Number: 102-60-3  
Content (W/W):  $\geq 50.0$  -  $\leq 100.0\%$   
Synonym: 1,1',1'',1'''-(1,2-Ethanediyldinitrilo)tetrakis-2-propanol; Quadrol

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**  
Remove contaminated clothing.

**If inhaled:**  
Keep patient calm, remove to fresh air, seek medical attention.

**If on skin:**  
Wash thoroughly with soap and water

**If in eyes:**  
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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### If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

*Information on: Tetrahydroxypropylethylenediamine*

*Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

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

#### Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours, carbon oxides, nitrogen oxides

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

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Spills should be contained, solidified, and placed in suitable containers for disposal.

## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Stainless steel 1.4401, Stainless steel 1.4301 (V2), Polyester resin, glass reinforced (Palatal A410), High density polyethylene (HDPE), enamelled, glass, Low density polyethylene (LDPE)

Unsuitable materials for containers: Aluminium, Carbon steel (Iron), Galvanized carbon steel (Zinc), Lead-plated, Paper/Fibreboard

Further information on storage conditions: Keep container tightly closed and in a cool place.

Protect from temperatures above: 70 °C

## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Personal protective equipment

#### Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Hand protection:

Wear chemically impervious protective gloves.

#### Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

#### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

|                  |                         |               |
|------------------|-------------------------|---------------|
| Form:            | liquid                  |               |
| Odour:           | No data available.      |               |
| Odour threshold: | not determined          |               |
| Colour:          | colourless to yellowish |               |
| pH value:        | 10 - 11                 | (DIN ISO 976) |
|                  | ( 100 g/l, 23 °C)       |               |

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|   |  |                |
|---|--|----------------|
| pour point:   | -24 °C   | (DIN ISO 3016) |
| onset of boiling:                                       | approx. 100 °C   |                |
| Flash point:  | Study technically not feasible.  |                |
| Flammability:   | Aqueous preparation<br>hardly combustible  |                |
| Lower explosion limit:                                  | For liquids not relevant for<br>classification and labelling.  |                |
| Upper explosion limit:                                  | For liquids not relevant for<br>classification and labelling.  |                |
| Autoignition:   | > 200 °C   | (DIN 51794)    |
| Vapour pressure:  | approx. 23.4 mbar<br>( 20 °C)  |                |
| Density:  | approx. 1.05 g/cm3<br>( 23 °C)   | (DIN 51757)    |
| Relative density:                                       | No data available.   |                |
| Vapour density:   | not determined   |                |
| Partitioning coefficient n-<br>octanol/water (log Pow): | -2.08  |                |
| Self-ignition<br>temperature:                           | not self-igniting  |                |
| Thermal decomposition:                                  | No decomposition if stored and handled as<br>prescribed/indicated.                                   |                |
| Viscosity, dynamic:                                     | not determined   |                |
| Viscosity, kinematic:                                   | 200 - 300 mm2/s<br>( 23 °C)  | (DIN 51562)    |
| Particle size:  | The substance / product is marketed<br>or used in a non solid or granular<br>form.                   |                |
| Solubility in water:                                    | fully soluble  |                |
| Solubility (qualitative):                               | soluble<br>solvent(s): polar solvents,   |                |
| Evaporation rate:                                       | not determined   |                |
| Other Information:                                      | If necessary, information on other physical and chemical<br>parameters is indicated in this section. |                |

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

### Conditions to avoid

See SDS section 7 - Handling and storage.

### Incompatible materials

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strong acids, strong oxidizing agents, reactive chemicals, strong bases

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

*Information on: Tetrahydroxypropylethylenediamine*

*Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.*

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 - 5,000 mg/kg

*Information on: Tetrahydroxypropylethylenediamine*

*Type of value: LD50*

*Species: rat (female)*

*Value: 2,890 mg/kg (similar to OECD guideline 401)*

#### Inhalation

Study scientifically not justified.

#### Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

#### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

#### Irritation / corrosion

*Information on: Tetrahydroxypropylethylenediamine*

*Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.*

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### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

*Information on: Tetrahydroxypropylethylenediamine*

*Assessment of repeated dose toxicity: The substance may cause damage to the central nervous system after repeated ingestion of high doses.*

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### Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

### Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

### Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### Teratogenicity

Assessment of teratogenicity: Based on the ingredients, there is no suspicion of a teratogenic effect.

### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

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### Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus* (DIN 38412 Part 15)

### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, *Daphnia magna* (Directive 92/69/EEC, C.2)

### Aquatic plants

EC50 (72 h) > 100 mg/l (growth rate), *Desmodesmus subspicatus* (Guideline 92/69/EEC, C.3)

### Chronic toxicity to fish

No data available.

### Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) > 1 mg/l, *Daphnia magna* (OECD Guideline 211)

## **Microorganisms/Effect on activated sludge**

### Toxicity to microorganisms

OECD Guideline 209 aerobic

activated sludge, domestic/EC20 (30 min): > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

## **Persistence and degradability**

### Assessment biodegradation and elimination (H<sub>2</sub>O)

Poorly biodegradable.

### Elimination information

9 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, predominantly domestic sewage)

## **Bioaccumulative potential**

### Assessment bioaccumulation potential

No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow).

## **Mobility in soil**

### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

## **Additional information**

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:



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The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components. Do not allow to enter soil, waterways or waste water channels.

### 13. Disposal considerations

**Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**

Dispose of in accordance with national, state and local regulations.

### 14. Transport Information

**Land transport**

TDG

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical          DSL, CA          released / listed

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2021/08/23

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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