1. Identification

Product identifier used on the label

**ELASTOFLEX®27910R RESIN**

Recommended use of the chemical and restriction on use
Recommended use*: polyurethane component; industrial chemicals
Suitable for use in industrial sector: Polymers industry; 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.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

**Emergency telephone number**

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

**Other means of identification**

Chemical family: Preparation based on: polyol, catalyst, additives
Synonyms: Urethane System Resin Component

2. Hazards Identification

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

**Classification of the product**

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr./Irr.</td>
<td>2</td>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>Eye Dam./Irr.</td>
<td>2A</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>STOT RE</td>
<td>2 (oral)</td>
<td>Specific target organ toxicity — repeated exposure</td>
</tr>
<tr>
<td>STOT RE</td>
<td>1 (oral)</td>
<td>Specific target organ toxicity — repeated exposure</td>
</tr>
<tr>
<td>Aquatic Acute</td>
<td>2</td>
<td>Hazardous to the aquatic environment - acute</td>
</tr>
</tbody>
</table>
Aquatic Chronic 2 Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word: Danger

Hazard Statement:
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H372 Cause damage to organs (Kidney, Pancreas, Liver) through prolonged or repeated exposure (oral).
H373 May cause damage to organs (Kidney, Pancreas, Liver) through prolonged or repeated exposure (oral).
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):
P280 Wear protective gloves and eye/face protection.
P273 Avoid release to the environment.
P260 Do not breathe dust/gas/mist/vapours.
P270 Do not eat, drink or smoke when using this product.
P264 Wash with plenty of water and soap 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 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P391 Collect spillage.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

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: 47 %

3. Composition / Information on Ingredients

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-21-1</td>
<td>&gt;= 10.0 - &lt; 25.0%</td>
<td>ethylene glycol</td>
</tr>
</tbody>
</table>
4. First-Aid Measures

**Description of first aid measures**

**General advice:**
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

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

**If on skin:**
Immediately wash thoroughly with soap and water, seek medical attention.

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

**If swallowed:**
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting.

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

Symptoms: Eye irritation, skin irritation

*Information on: ethylene glycol*

Hazards: Symptoms can appear later.

**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.

5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:
No particular hazards known.

**Advice for fire-fighters**
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.

Environmental precautions
Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling
Ensure thorough ventilation of stores and work areas. Protect against moisture.

Protection against fire and explosion:
No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities
Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:
Storage temperature: 16 - 27 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylene glycol</td>
<td>CLV 50 ppm 125 mg/m³ ;</td>
<td>CLV 100 mg/m³ aerosol ;</td>
</tr>
<tr>
<td>adipic acid</td>
<td>ACGIH TLV TWA value 5 mg/m³ ;</td>
<td></td>
</tr>
<tr>
<td>carbon black</td>
<td>OSHA PEL PEL 3.5 mg/m³ ; TWA value 3.5 mg/m³ ;</td>
<td>ACGIH TLV TWA value 3 mg/m³ Inhalable fraction ;</td>
</tr>
</tbody>
</table>
Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment
Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection:
Standard work clothes and shoes.

General safety and hygiene measures:
Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: liquid
Odour: amine-like
Odour threshold: No applicable information available.
Colour: black
pH value: 7.0
Freezing point: 0.00 °C
Boiling point: > 140.00 °C (760.000000 mmHg)
Sublimation point: No applicable information available.
Flash point: > 110.00 °C (closed cup)
Flammability: not flammable
Lower explosion limit: For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit: For liquids not relevant for classification and labelling.
Autoignition: > 250 °C
Vapour pressure: 7.5006 mmHg (20.00 °C)
Density: 9.0136 lb/USg (20.00 °C)
Relative density: No applicable information available.
Vapour density: No applicable information available.
Partitioning coefficient n-octanol/water (log Pow): Unspecified
Self-ignition temperature: No self ignition was observed up to the specified temperature.
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
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 an oxidizer.

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

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

Conditions to avoid
Temperature: < 0 degrees Celsius

Incompatible materials
acids, oxidizing agents, isocyanates

Hazardous decomposition products
Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

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
Assessment of acute toxicity: No known acute effects.

Oral
No applicable information available.

Inhalation
No applicable information available.

Dermal
No applicable information available.

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.

Origin of data: expert judgement

Irritation / corrosion
Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: adipic acid
Assessment of irritating effects: May cause slight irritation to the skin. May cause severe damage to the eyes.

Information on: diethylmethylbenzenediamine
Assessment of irritating effects: Eye contact causes irritation. Not irritating to the skin. The European Union (EU) has classified the substance as "irritating" to eyes.

Sensitization
Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. No applicable information available.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: Repeated oral exposure may affect certain organs. Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure.

Information on: ethylene glycol
Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion. The substance may cause damage to the kidney after repeated skin contact with high doses.

Information on: diethylmethylbenzenediamine
Assessment of repeated dose toxicity: EU-classification Repeated oral exposure may affect certain organs.

Genetic toxicity
Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Carcinogenicity
Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Information on: carbon black
Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice. The American Conference of Governmental Industrial Hygienists (ACGIH) has classified this substance as Group A3 - animal carcinogen.

Reproductive toxicity
Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Teratogenicity
Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Information on: ethylene glycol
Assessment of teratogenicity: In animal studies the substance caused malformations when given at high doses. Embryotoxicity and teratogenicity was observed in animal studies, in the absence of maternal toxicity. However, the relevance of this result for humans is unclear.

Other Information
The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure
Eye irritation, skin irritation

Medical conditions aggravated by overexposure
Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

12. Ecological Information

Toxicity
Aquatic toxicity
Assessment of aquatic toxicity: Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Poorly biodegradable.

Elimination information
Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential
Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments
Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Other ecotoxicological advice:
The product has not been tested. Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:
Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

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: 2016/04/29

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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