



## DAI-EL G-310LBP, G-310MBP, G-310HBP

Safety Data Sheet  
SDS Number: 30071

Issued: 2012-11-09

### 1 - Chemical Product and Company Identification

#### 1.1 Chemical product

Trade name: DAI-EL G-310LBP, G-310MBP, G-310HBP

Application of the substance/the preparation : Industrial use

#### 1.2 Company identification

Manufacturer

Name DAIKIN FLUOROCHEMICALS (CHINA) CO., LTD.  
Add CHANGSHU INTERNATIONAL CHEMICAL INDUSTRIAL PARK, HAIYU TOWN,  
CHANGSHU, JIANGSU 215522 CHINA  
Tel : (+86) 512-5232-2266 Fax : (+86) 512-5232-2366

Name DAIKIN INDUSTRIAL, LTD.  
Add 1-1 NISHI HITOTSUYA, SETTSU-SHI OSAKA, 566-8585, JAPAN  
Tel: (+81)6-6373-4349 Fax: (+81)6-6373-4389

#### 1.3 Emergency Telephone

24hour emergency telephone: (+86)512-5232-0949, (+81)6-6349-7521

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## 2 - Hazards Identification

GHS Label elements      Void

## 3 - Composition/Information on ingredients

9011-17-0      1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-fluoroethene

## 4 - First-aid Measures

- 4.1 **Inhalation:** Supply fresh air; consult doctor in case of complaints.
  - 4.2 **Skin Contact:** Immediately wash with water and soap and rinse thoroughly. After contact with the molten product, cool rapidly with cold water.
  - 4.3 **Eyes Contact:** Rinse opened eye for several minutes under running water.
  - 4.4 **Ingestion:** If symptoms persist consult doctor.
- **Information for doctor:** Vapors and fumes liberated during hot processing with this material may cause flu-like symptoms(chills, fever and sometimes, cough) that may not occur until several hours after exposure and typically pass within about 36 to 48 hours.

## 5 - Fire-fighting Measures

- 5.1 **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 **Special hazards caused by the substance, its products of combustion or resulting gases:** Formation of toxic gases is possible during heating or in case of fire.
- 5.3 **Protective equipment:** Wear fully protective suit.

## 6 - Accidental Release Measures

- 6.1 **Person-related safety precautions:** Not required.
- 6.2 **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- 6.3 **Measures for cleaning/collecting:** Pick up mechanically.
- 6.4 **Additional information:** No dangerous substances are released.

## 7 - Handling and Storage

- 7.1 **Handling**  
**Information for safe handling:**  
Extractors are required on all machines used for thermal processing or splinter removal processes.
- 7.2 **Storage**  
**Requirements to be met by storerooms and receptacles:** No special requirements.

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**Information about storage in one common storage facility:** Not required.  
**Further information about storage conditions:** Protect from contamination.

## 8 - Exposure Controls and Personal Protection

**8.1 Ingredients with limit values that require monitoring at the workplace:** Not required.

**8.2 Personal Protective Equipment:**

**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Keep away from tobacco products.

**Respiratory protection:**

For conditions where exist a potential for significant exposure to fumes and/or toxic vapours use a full-face-mask with the acid and organic vapor cartridges.

**Protection of hands:**



Protective gloves

**Material of gloves:** Synthetic rubber gloves.

**Eye protection:** Tightly sealed goggles.

**Body protection:** Protective work clothing.

## 9 - Physical and Chemical Properties

Appearance	Solid
Odor	Odourless
Colour	White or light yellow
Boiling point	Undetermined.
Melting Point	Undetermined
Flash point	Not applicable.
Decomposition Temperature	>230°C (1% TG)
Self-igniting	Product is not self-igniting.
Danger of explosion	Product does not present an explosion hazard.
Density at 25°C	1.7-2.0g/cm <sup>3</sup>
Solubility in/Miscibility with water	Insoluble.

## 10 - Stability and Reactivity

**10.1 Thermal decomposition/conditions to be avoided:**

To avoid thermal decomposition do not overheat.

Even at the temperatures reached during the normal hot processing of fluoropolymers fume will be generated, that will present a potential health hazard.

**10.2 Dangerous reactions:** No dangerous reactions known.

**10.3 Dangerous decomposition products:** Danger of toxic fluorine based pyrolysis products.

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## 11 – Toxicological Information

11.1 Acute toxicity: No data.

## 12 - Ecological Information

12.1 Ecotoxicological effects: No data.

## 13 - Disposal Considerations

### 13.1 Recommendation:

Disposal must be made according to official regulations.

### 13.2 Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## 14 - Transport Information

14.1 UN "Model Regulation": -

## 15 - Regulatory Information

### 15.1 Safety Phrases:

15 Keep away from heat.

21 When using do not smoke.

## 16 - Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms: **GHS:** Globally Harmonized System of Classification and Labelling of Chemicals