

**SAFETY DATA SHEET****Niax\* silicone L-580**Version 1.2  
Revision Date 2011/05/10Print Date 2012/10/23  
OSI000000084**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Product name : Niax\* silicone L-580

Product code : OSI000000084

Recommended use of the chemical and restrictions on use : Used in the manufacturing of polyurethane foam.

Company Name : Momentive Performance Materials (Shanghai) Trading Co.,Ltd  
Street address : No. 227 Li Bing Road Zhang Jiang Hi-Tech Park, Pudong New Area, Shanghai, 201203, China

Responsible Department : Product Stewardship & Compliance Group  
Prepared by : Product Stewardship & Compliance  
Telephone : 862138604500  
Telefax : 862150793707  
Emergency contact : +86-10-5100-3039

Product Stewardship & Compliance Group : Productstewardship-GC@momentive.com

**HAZARDS IDENTIFICATION**

Physical and chemical hazards : None known.  
GHS Classification : Not classified according to criteria

**Summary of emergency:**

Ingestion : None known.

Inhalation : Short-term harmful health effects are not expected from vapor generated at ambient temperature.

Skin : None known.

Eyes. : Causes the following effects: Pain May cause the following effects: - excess redness of the conjunctivae - swelling of the conjunctivae

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical nature : Polyalkyleneoxidemethylsiloxane Copolymer

## SAFETY DATA SHEET

### Niax\* silicone L-580

Version 1.2  
Revision Date 2011/05/10

Print Date 2012/10/23  
OSI000000084

#### 4. FIRST AID MEASURES

- Inhalation : Get medical attention.
- Skin contact : Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention. Wash contaminated clothing before reuse.
- Eye contact : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
- Ingestion : If swallowed, do NOT induce vomiting. Give a glass of water.

##### Notes to physician

- Most important symptoms/effects, acute and delayed : There is no specific antidote., Treatment is symptomatic and supportive.

#### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam Carbon dioxide
- Special fire fighting procedures : Do not direct a solid stream of water or foam into hot, burning pools: this may cause frothing and increase fire intensity. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment.
- Methods for cleaning up : Absorb spillage with suitable absorbent material.

#### 7. HANDLING AND STORAGE

##### Handling

**SAFETY DATA SHEET****Niax\* silicone L-580**

Version 1.2  
Revision Date 2011/05/10

Print Date 2012/10/23  
OSI000000084

- Advice on safe handling : Do not taste or swallow.  
Avoid contact with eyes, skin, and clothing.  
Wash hands after handling.  
Avoid inhalation of vapors and spray mists.
- Advice on protection against fire and explosion : Take precautionary measures against static discharges.  
All equipment used when handling the product must be grounded.
- Storage**
- Requirements for storage areas and containers : Keep container tightly closed.  
Keep away from sources of ignition - No smoking.
- Further information on storage conditions : No data available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering measures : Provide eyewash station and safety shower.  
General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Advice: Chemical resistant gloves
- Skin and body protection : Wear suitable protective clothing and eye/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Liquid
- Colour : Amber
- Odour : Polyether
- pH : No data available.
- Melting Point : <0 °C
- Boiling point/boiling range : >150 °C

**SAFETY DATA SHEET****Niax\* silicone L-580**Version 1.2  
Revision Date 2011/05/10Print Date 2012/10/23  
OSI000000084

	at 1,013 hPa Copolymer
Flash point	: 97 °C Method: ASTM D 93
Autoignition temperature	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Vapour pressure	: <1.33 hPa at 20 °C
Density	: 1.0300 g/cm <sup>3</sup> at 25 °C (1.013 hPa)
Water solubility	: Soluble
Relative vapour density	: >1
Thermal decomposition	: No decomposition if stored and applied as directed.
Evaporation rate	: <1

**10. STABILITY AND REACTIVITY**

Conditions to avoid	: None known.
Materials to avoid	: None known.
Hazardous reactions	: Hazardous polymerisation does not occur.
Further information	: No dangerous reaction if used as recommended.
Hazardous decomposition products	: In case of fire, gives off (emits): Carbon oxides Oxides of silicon. Formaldehyde. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

**SAFETY DATA SHEET****Niax\* silicone L-580**

Version 1.2  
Revision Date 2011/05/10

Print Date 2012/10/23  
OSI000000084

**11. TOXICOLOGICAL INFORMATION**

- Acute oral toxicity : No data available.
- Acute inhalation toxicity : No data available.
- Acute dermal toxicity : No data available.
- Skin irritation. : No data available.
- Eye irritation : No data available.
- Sensitization : No data available.
- Further information : This material was negative in a Salmonella Typhimurium/  
Escherichia coli mutagenicity assay.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data for this product is not available.

Persistence and : No data available.  
degradability

**Further information on ecology**

Biochemical Oxygen : No data available.  
Demand (BOD)  
Chemical Oxygen Demand : No data available.  
(COD)

**13. DISPOSAL CONSIDERATIONS**

- Product : Can be incinerated when in compliance with local regulations.
- Contaminated packaging : Dispose of as unused product.

**14. TRANSPORT INFORMATION**

**Further Information:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**15. REGULATORY INFORMATION****Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)
EU list of existing chemical substances	y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
Canada DSL Inventory	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing)

**For inventories that are marked as quantity restricted or special cases, please contact Momentive.**

**Applicable Laws and Regulation Information for China**

Regulations on Safety Administration of Hazardous Chemicals, Decree No.591 of the State Council  
GB/T 16483: 《Safety data sheet for chemical products - Content and order of sections》  
GB 15258: 《General rules for preparation of precautionary label for industrial chemicals》  
GB 20576~GB 20602: Safety rules for classification, precautionary labelling and precautionary statements of chemicals  
GB 13690: 《General rule for classification and hazard communication of chemicals》  
GB 12268: 《List of dangerous goods》  
GB 6944: 《Classification and code of dangerous goods》  
GB 190 《Labels for packages of dangerous goods》  
GB/T 15098: 《The principle of classification of transport packaging groups of dangerous goods》  
GBZ 2.1 《Occupational Exposure Limits for Hazardous Agents in the Workplace, Part 1, Chemical Hazardous Agents 》

**16. OTHER INFORMATION**

Literature Reference	: ACGIH TLV for Chemical Substances Chemical safe administration data book (The Chemical Daily Co., Ltd.)
Precautions	: This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

## SAFETY DATA SHEET

### Niax\* silicone L-580

Version 1.2  
Revision Date 2011/05/10

Print Date 2012/10/23  
OSI000000084

Other precautions : Other (an address, and telephone and fax numbers for information, references) The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use.  
The physical properties and other values indicated on this document are average values expected for the product and are not guaranteed.

#### Further information

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.