

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

**Keltan® 8550C**

**ARLANXEO**  
Performance Elastomers

Version	Revision Date:	SDS Number:	Date of last issue: 2019/03/05
1.1	2019/05/31	103000006491	Country / Language: CN / 6N

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product code : 57135593

Chemical nature : Polymer  
Ethylene-propylene-diene-rubber (EPDM)

### Manufacturer or supplier's details

Supplier : 阿朗新科高性能弹性体（常州）有限公司  
中国江苏省常州市新北区黄海路 318 号 213127, 中华人民共和国

Telephone : +8651988021199

Telefax : +8651988021255

Emergency telephone number : +86 532 83889090

Supplier : ARLANXEO High Performance  
Elastomers (Changzhou) Co., Ltd.  
No. 318, Huanghai Road, Xinbei District  
Changzhou, Jiangsu Province, 213127, P.R, People's Republic  
of China

Telephone : +8651988021199

Telefax : +8651988021255

Emergency telephone : +86 532 83889090

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

Recommended use : crude product for the production of technical rubber articles

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance	: granular
Colour	: white
Odour	: rubber

### GHS Classification

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

### GHS label elements

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

### Physical and chemical hazards

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

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## Health hazards

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

## Environmental hazards

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

## Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Polymer  
Ethylene-propylene-diene-rubber (EPDM)

## Hazardous components

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. FIRST AID MEASURES

General advice	: Keep warm and in a quiet place.
If inhaled	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	: Wash off with soap and water. Get medical attention if symptoms occur.
In case of eye contact	: Flush eyes with water as a precaution. Get medical attention if symptoms appear.
If swallowed	: Get medical attention if symptoms appear.
Most important symptoms and effects, both acute and delayed	: No information available. None known.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.
Notes to physician	: Treat symptomatically.

## 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray  
Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Unsuitable extinguishing media	: None known.
Specific hazards during fire-fighting	: Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
Hazardous combustion products	: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide
Specific extinguishing methods	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for firefighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Should not be released into the environment.
Methods and materials for containment and cleaning up	: Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of wastes in an approved waste disposal facility.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling	: Protect from moisture.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Avoidance of contact	: No specific data.

### Storage

Conditions for safe storage	: Protect from moisture.  Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Store away from incompatible materials (see section 10) and food and drink. Keep away from direct sunlight or strong incandescent light.
Recommended storage temperature	: < 30 °C

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
5-ethylidene-8,9,10-trinorborn-2-ene	16219-75-3	TWA	2 ppm	ACGIH
		STEL	4 ppm	ACGIH

**Engineering measures** : If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal protective equipment

Respiratory protection : In case of dust formation particle filter.

Filter type : P1 filter

Eye/face protection : Safety glasses with side-shields

Skin and body protection : Wear suitable protective clothing.

Hand protection

Remarks : Wear suitable gloves.

Protective measures : Wear suitable protective equipment.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granular

Colour : white

Odour : rubber

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

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Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	> 370 °C Auto-ignition temperature
Burning number	:	1 (20 °C)
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	> 300 °C
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	No data available

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## 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	This product is stable.
Possibility of hazardous reactions	:	None known.

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Conditions to avoid : Extremes of temperature and direct sunlight.

Incompatible materials : No specific data.

## **Hazardous decomposition products**

Thermal decomposition : Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO<sub>2</sub> may be developed. Degradation products of the polymers and their additives may also be formed.

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## **11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

Not classified based on available information.

### **Skin corrosion/irritation**

Not classified based on available information.

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

#### **Product:**

Remarks: Under the recommended processing conditions small amounts of emitted substance (e.g. residual monomers, residual solvents, decomposition products) may be discharged. According to our experience and information the product has no harmful effects on health if properly handled.

The substance(s) listed in Chapter 3 is/are encapsulated in this preparation in a polymer and

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is/are therefore not bioavailable.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

### Product:

Additional ecological information : The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. This product is not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

### National Regulations

### China-DG GB 6944/12668

Not regulated as a dangerous good

### Transportation Notes:

- Appropriate & sufficient fire-fighting facilities and spill emergency handling apparatus should be equipped with the transport vehicles.

In case of products with explosive, flammable, self-reactive, pyrophoric, self-heating and oxidizing properties:

- Tank cars used in transport should be equipped with a grounding chain; a porous separator plate may be provided in the tank car to reduce static electricity shocks.

- The exhaust pipes of vehicles used for shipping this product must be equipped with fire retardant devices. The use of mechanical equipment or tools prone to sparking is prohibited.

- Protect against exposure to sun, rain and high temperatures during transit; in summer,

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transport should ideally be in the morning or evening.

- Keep away from fire, heat and high temperature zones during stopovers.
- When transporting over public roads, select routes compliant with regulations and do not stop over in residential or densely populated areas.

## International Regulations

### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

**Hazard statements** : Not dangerous cargo.  
Keep separated from foodstuffs.

## 15. REGULATORY INFORMATION

### National regulatory information

Further information : 1. Regulations of the Safety Administration of Dangerous Chemicals  
2. Rules for classification and labeling of chemicals (30000.2~29)  
3. Lists of dangerous goods (GB12268)  
4. Safety Data Sheet for Chemical Products -Content and Order of Sections (GB/T16483)  
5. Classification and Code of Dangerous Goods (GB6944)  
6. List of hazardous waste  
7. Catalogue of hazardous chemicals  
8. Occupational exposure limits for hazardous agents in the workplace Part 1: Chemical hazardous agents (GBZ 2.1)

### Other international regulations

## 16. OTHER INFORMATION

### Full text of other abbreviations

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average



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ACGIH / STEL : Short-term exposure limit

## Disclaimer

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