

**Keltan ® 4869C**

Version 1.0      Revision Date: 11/06/2018      SDS Number: 103000006862      Date of previous issue: -  
Country / Language: US / EN

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**SECTION 1. IDENTIFICATION**

Product name : Keltan ® 4869C  
Material number : 57283202  
Recommended use : crude product for the production of technical rubber articles

**Manufacturer or supplier's details**

Supplier : ARLANXEO USA LLC  
111 RIDC Park West Drive  
PITTSBURGHPA 15275-1112  
USA  
Telephone : +18005269377 For information: US/Canada  
+14128091000 International  
Emergency telephone : Chemtrec (800) 424-9300  
International (703) 527-3887  
Lanxess Emergency Phone (800) 410-3063

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).**

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.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Ethylene-propylene-diene-rubber (EPDM), oil extended

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	>= 50 - < 70

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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**SECTION 4. FIRST AID MEASURES**

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.

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## Keltan ® 4869C

Version	Revision Date:	SDS Number:	Date of previous issue: -
1.0	11/06/2018	103000006862	Country / Language: US / EN

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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**

Symptoms : Skin: Reddening, burning, and possible permanent damage.

Effects : Contact with hot material causes thermal skin burns.

**SECTION 5. FIRE-FIGHTING 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.

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

Further information : 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 fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.  
Put on appropriate personal protection equipment.  
Do not touch or walk through spilled material.  
Evacuate personnel to safe areas.  
Keep unnecessary and unprotected personnel from entering.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for : Move containers from spill area.

## Keltan ® 4869C

Version 1.0      Revision Date: 11/06/2018      SDS Number: 103000006862      Date of previous issue: -  
Country / Language: US / EN

containment and cleaning up      Vacuum or sweep up material and place in a designated, labeled waste container.  
Dispose of wastes in an approved waste disposal facility.  
Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling      :    Remove contaminated clothing and protective equipment before entering eating areas.  
Workers should wash hands and face before eating, drinking and smoking.  
Put on appropriate personal protection equipment.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Protect from moisture.

Conditions for safe storage      :    Store in accordance with local regulations.  
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.  
Keep container closed when not in use.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Do not store in unlabeled containers.  
Use appropriate container to avoid environmental contamination.

Recommended storage temperature      :    < 86 °F (< 30 °C)

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH

**Engineering measures**      :    Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Respiratory protection      :    Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Keltan® 4869C**

Version	Revision Date:	SDS Number:	Date of previous issue: -
1.0	11/06/2018	103000006862	Country / Language: US / EN

---

## Hand protection

Remarks : Wear suitable gloves.

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear suitable protective clothing.

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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : solid

Appearance : bales

Color : white

Odor : slight, characteristic

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : > 698 °F (> 370 °C)  
Autoignition temperatureBurning number : 1 (68 °F (20 °C))  
Method: VDI 2263-1

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

# SAFETY DATA SHEET

## Keltan® 4869C

Version	Revision Date:	SDS Number:	Date of previous issue: -
1.0	11/06/2018	103000006862	Country / Language: US / EN

---

Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies)	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	> 572 °F (> 300 °C)
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	None known.
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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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### **Information on likely routes of exposure**

Inhalation  
Skin contact

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**Keltan® 4869C**

Version      Revision Date:      SDS Number:      Date of previous issue: -  
1.0          11/06/2018          103000006862      Country / Language: US / EN

---

**Acute toxicity**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Acute oral toxicity                      : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity              : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity                    : LD50 (Rabbit): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Result: No skin irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Result: No eye irritation

**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Carcinogenicity - Assessment                      : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

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## Keltan ® 4869C

Version	Revision Date:	SDS Number:	Date of previous issue: -
1.0	11/06/2018	103000006862	Country / Language: US / EN

---

human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Assessment: May cause respiratory irritation.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

May be fatal if swallowed and enters airways.

**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 is/are therefore not bioavailable.

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**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity****Components:****Distillates (petroleum), hydrotreated heavy paraffinic:**

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
End point: mortality  
Exposure time: 96 h  
Method: OECD Test Guideline 203

# SAFETY DATA SHEET

## Keltan® 4869C

Version 1.0      Revision Date: 11/06/2018      SDS Number: 103000006862      Date of previous issue: -  
Country / Language: US / EN

---

Remarks: water extractable fraction

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: water extractable fraction

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Biomass  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: water extractable fraction

### Ecotoxicology Assessment

Acute aquatic toxicity : No toxicity at the limit of solubility.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic:**

Biodegradability : Result: Not readily biodegradable.

### Bioaccumulative potential

#### Components:

#### **Distillates (petroleum), hydrotreated heavy paraffinic:**

Partition coefficient: n-octanol/water : log Pow: > 6

### 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.

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## SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to



# SAFETY DATA SHEET

## Keltan® 4869C

Version 1.0      Revision Date: 11/06/2018      SDS Number: 103000006862      Date of previous issue: -  
Country / Language: US / EN

---

determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods : The generation of waste should be avoided or minimized wherever possible.  
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.  
This material and its container must be disposed of in a safe way.  
Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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### SECTION 14. TRANSPORT INFORMATION

#### Domestic regulation

##### DOT

Not regulated as a dangerous good

#### 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.

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### SECTION 15. REGULATORY INFORMATION

#### CERCLA

None

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

#### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### US State Regulations

##### Massachusetts Right To Know

Distillates (petroleum), hydrotreated heavy paraffinic      64742-54-7      50 - 70

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# SAFETY DATA SHEET

## Keltan® 4869C

Version 1.0      Revision Date: 11/06/2018      SDS Number: 103000006862      Date of previous issue: -  
Country / Language: US / EN

### Pennsylvania Right To Know

Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	50 - 70
Ethylene Propylene Diene Rubber	25038-36-2	45 - 50

### California Prop. 65

WARNING: This product can expose you to chemicals including Hexane, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Any chemical(s) listed above which do not appear elsewhere on this SDS are contained in this product at concentrations below 0.01%.

### TSCA inventory

TSCA : On TSCA Inventory

### TSCA list

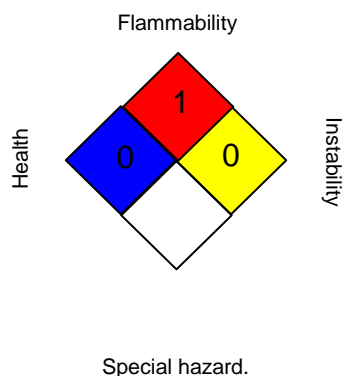
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Revision Date : 11/06/2018

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data

# SAFETY DATA SHEET



## Keltan ® 4869C

Version	Revision Date:	SDS Number:	Date of previous issue: -
1.0	11/06/2018	103000006862	Country / Language: US / EN

---

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