

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

### SECTION 1: Identification of the hazardous chemical and of the supplier

Product name : Sarnacol®-2170

Product code : 000000600066

Type of product : liquid

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

Product use : Sealant/adhesive

#### Manufacturer or supplier's details

Company : Sika Kimia Sdn. Bhd.  
Lot 689 Nilai Industrial Estate  
71800 Nilai

Telephone : +60 6799 1762

Telefax : +60 6799 1980

E-mail address : EHS@my.sika.com

Emergency telephone number : -

Contact point :

### SECTION 2: Hazards identification

#### Classification of the hazardous chemical

Flammable liquids : Category 2

Serious eye damage/eye irritation : Category 2

Effects on or via lactation :

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Hazardous to the aquatic environment - chronic hazard : Category 3

#### Label elements

Hazard pictograms :



Signal word : Danger

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

- Hazard statements : H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H362 May cause harm to breast-fed children.  
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P263 Avoid contact during pregnancy/ while nursing.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

### Other hazards which do not result in classification

None known.

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (%)
ethyl acetate	141-78-6	>= 30 - < 60
butanone	78-93-3	>= 30 - < 60
alkanes, C14-17, chloro	85535-85-9	< 1
toluene	108-88-3	< 1

## SECTION 4: First aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

Most important symptoms and effects, both acute and delayed : irritant effects  
Excessive lachrymation  
Loss of balance  
Vertigo  
See Section 11 for more detailed information on health effects and symptoms.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
May cause harm to breast-fed children.

Notes to physician : Treat symptomatically.

---

### SECTION 5: Firefighting measures

#### Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Water

#### Physicochemical hazards arising from the chemical

Hazardous combustion products : No hazardous combustion products are known

#### Special protective equipment and precautions for fire-fighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Use water spray to cool unopened containers.

---

### SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).



**SECTION 7: Handling and storage**

**Handling**

**Precautions for safe handling**

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.

Advice on safe handling : Do not breathe vapours or spray mist.  
 Avoid exceeding the given occupational exposure limits (see section 8).  
 Do not get in eyes, on skin, or on clothing.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Take precautionary measures against static discharge.  
 Open drum carefully as content may be under pressure.  
 Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
 Follow standard hygiene measures when handling chemical products

**Storage**

**Conditions for safe storage, including any incompatibilities**

Conditions for safe storage : Store in original container.  
 Store in cool place.  
 Keep in a well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.  
 Store in accordance with local regulations.

**SECTION 8: Exposure controls and personal protection**

**Control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethyl acetate	141-78-6	TWA	400 ppm 1,440 mg/m <sup>3</sup>	MY PEL
			400 ppm	ACGIH
butanone	78-93-3	TWA	200 ppm 590 mg/m <sup>3</sup>	MY PEL
			200 ppm	ACGIH
		STEL	300 ppm	ACGIH
toluene	108-88-3	TWA	50 ppm 188 mg/m <sup>3</sup>	MY PEL
		Further information: Skin		
		TWA	20 ppm	ACGIH

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

### Individual protection measures, such as personal protective equipment

- Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- Skin protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

---

### SECTION 9: Physical and chemical properties

- Appearance : liquid
- Colour : various
- Odour : characteristic
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/range / Freezing point : No data available
- Boiling point/boiling range : No data available
- Flash point : -4 °C (25 °F)  
Method: closed cup
- Evaporation rate : No data available
- Flammability : No data available
- Upper explosion limit : 11.5 %(V)

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

Lower explosion limit	: 1.8 %(V)
Vapour pressure	: 99.9915 hPa (75.000 mmHg)
Relative vapour density	: No data available
Density	: ca. 0.9 g/cm <sup>3</sup> (20 °C (68 °F) ( ))
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: ca. 1,600 mPa.s (20 °C)
Viscosity, kinematic	: > 7 mm <sup>2</sup> /s (40 °C)
Explosive properties	: No data available
Molecular weight	: No data available

---

### SECTION 10: Stability and reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Stable under recommended storage conditions. Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: No data available

No decomposition if stored and applied as directed.

---

### SECTION 11: Toxicological information

Information on likely routes of exposure : None known.

#### **Acute toxicity**

Not classified based on available information.

#### **Components:**

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

### **ethyl acetate:**

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

Acute inhalation toxicity : LC50 (Rat): ca. 1,600 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

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

### **butanone:**

Acute oral toxicity : LD50 Oral (Rat): 3,300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 36 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

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

### **Skin corrosion/irritation**

Not classified based on available information.

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

Causes serious eye irritation.

### **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**

May cause harm to breast-fed children.

### **STOT - single exposure**

May cause drowsiness or dizziness.

### **STOT - repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

---

## **SECTION 12: Ecological information**

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

---

## SECTION 13: Disposal information

### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

---

## SECTION 14: Transport information

### International Regulations

#### **UNRTDG**

UN number : UN 1133  
Proper shipping name : ADHESIVES  
Class : 3  
Packing group : II  
Labels : 3

#### **IATA-DGR**

UN/ID No. : UN 1133  
Proper shipping name : Adhesives  
Class : 3  
Packing group : II  
Labels : 3  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353

#### **IMDG-Code**

UN number : UN 1133  
Proper shipping name : ADHESIVES  
Class : 3  
Packing group : II  
Labels : 3



# SAFETY DATA SHEET

## Sarnacol®-2170



Version 1.0

SDS Number: 000000600066

Revision Date: 04.04.2018

EmS Code : F-E, S-D  
Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable for product as supplied.

---

### SECTION 15: Regulatory information

#### **Safety, health, and environmental regulations specific for the hazardous chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

---

### SECTION 16: Other information

Date format : dd.mm.yyyy

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !