# Sikagard-180 KNS WB Formerly MKure CC 180WB



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## **SECTION 1. IDENTIFICATION**

Product name : Sikagard-180 KNS WB Formerly MKure CC 180WB

Product code : 00000000051678857

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE

Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with 29 CFR 1910.1200

FLAMMABLE LIQUIDS : 4

Respiratory sensitization : Category 1

Skin sensitization : Category 1

Carcinogenicity : 2

Reproductive toxicity : 2

Reproductive toxicity : 1B

Short-term (acute) aquatic

hazard

3

Long-term (chronic) aquatic

hazard

: 3

**GHS** label elements

Hazard pictograms

Signal Word : Danger

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Hazard Statements : H227 Combustible liquid.

H334 May cause allergy or asthma symptoms or breathing diffi-

culties if inhaled.

H317 May cause an allergic skin reaction. H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements** 

#### Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.

P202 Do not handle until all safety precautions have been read and understood.

Doo 4 !

P284 In case of inadequate ventilation wear respiratory protection.

P272 Contaminated work clothing should not be allowed out of the workplace.

#### Response:

P304 + P341 + P311 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.

P333 + P311 If skin irritation or rash occurs: Call a POISON

CENTER or doctor/physician. P362 + P364 Take off contaminated clothing and wash it before

reuse.

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

### Storage:

P405 Store locked up.

P403 + P235 Store in a well-ventilated place. Keep cool.

#### Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

#### Other hazards

No data available.

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

Chemical nature : No data available.





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## Components

| Chemical name   | CAS-No.    | Concentration (% w/w) |
|---|------------|-----------------------|
| solvent naphtha   | 64742-95-6 | >= 3 - < 5            |
| 1,2,4-trimethylbenzene  | 95-63-6    | >= 1 - < 3            |
| Diethylbenzene  | 25340-17-4 | >= 0.2 - < 0.3        |
| dibutyl phthalate   | 84-74-2    | >= 0.2 - < 0.3        |
| cumene  | 98-82-8    | >= 0.1 - < 0.2        |
| diammonium peroxodisulphate; ammonium persulphate   | 7727-54-0  | >= 0 - < 0.2          |
| Poly(oxy-1,2-ethanediyl), .alpha<br>[(1,1,3,3-tetramethylbutyl)phenyl]-<br>.omegahydroxy- | 9036-19-5  | >= 0.3 - < 1          |

### **SECTION 4. FIRST AID MEASURES**

General advice : First aid personnel should pay attention to their own safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Immediately remove contaminated clothing.

Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

If inhaled : Keep patient calm, remove to fresh air, seek medical atten-

tion.

Call a physician or poison control center immediately. If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : Immediately wash thoroughly with soap and water, seek med-

ical attention.

If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Wash affected eyes for at least 15 minutes under running

water with eyelids held open.

Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water,

seek medical attention.

Induce vomiting immediately and call a physician.

Keep respiratory tract clear.





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Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

and effects, both acute and delayed

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

Suspected of causing cancer.

May damage fertility or the unborn child.

Notes to physician : Treat symptomatically.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray

Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emer-

gency procedures

Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

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).

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Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE** 

Advice on protection against : Product is not explosive.

fire and explosion

Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling Avoid formation of aerosol.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage

no smoking

Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-

ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid Observe VCI storage rules.

Recommended storage tem-

perature

32 °F / 0 °C

Further information on stor-

age stability

Minimum storage temperature:

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Ingredients with workplace control parameters

| Components   CAS-No.   Value type   Control parame-   Basis |
|---|
|---|





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|                             |           | 1         |                    |               |
|-----------------------------|-----------|-----------|--------------------|---------------|
|                             |           | (Form of  | ters / Permissible |               |
|                             |           | exposure) | concentration      |               |
| dibutyl phthalate           | 84-74-2   | TWA value | 5 mg/m3            | ACGIHTLV      |
|                             |           | REL value | 5 mg/m3            | NIOSH         |
|                             |           | PEL       | 5 mg/m3            | 29 CFR        |
|                             |           |           |                    | 1910.1000     |
|                             |           |           |                    | (Table Z-1)   |
|                             |           | TWA value | 5 mg/m3            | 29 CFR        |
|                             |           |           |                    | 1910.1000     |
|                             |           |           |                    | (Table Z-1-A) |
|                             |           | TWA       | 5 mg/m3            | ACGIH         |
|                             |           | TWA       | 5 mg/m3            | NIOSH REL     |
|                             |           | TWA       | 5 mg/m3            | OSHA Z-1      |
|                             |           | TWA       | 5 mg/m3            | OSHA P0       |
| 1,2,4-trimethylbenzene      | 95-63-6   | TWA value | 25 ppm             | ACGIHTLV      |
|                             |           | REL value | 25 ppm             | NIOSH         |
|                             |           |           | 125 mg/m3          |               |
|                             |           | TWA value | 25 ppm             | 29 CFR        |
|                             |           |           | 125 mg/m3          | 1910.1000     |
|                             |           |           |                    | (Table Z-1-A) |
|                             |           | TWA       | 25 ppm             | NIOSH REL     |
|                             |           |           | 125 mg/m3          |               |
|                             |           | TWA       | 25 ppm             | ACGIH         |
|                             |           | TWA       | 25 ppm             | OSHA P0       |
|                             |           |           | 125 mg/m3          |               |
| diammonium peroxodisul-     | 7727-54-0 | TWA value | 0.1 mg/m3          | ACGIHTLV      |
| phate; ammonium persulphate |           |           | (persulfate)       |               |
|                             |           | TWA       | 0.1 mg/m3          | ACGIH         |
|                             |           |           | (Persulphate)      |               |

**Engineering measures** : No applicable information available.

Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits

may be exceeded.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene





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and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : 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

Color : white

Odor : mild, solvent

Odor Threshold : No data available

pH : slightly alkaline

Melting point : No applicable information available.

Boiling point : 307.99 - 340.00 °F / 153.33 - 171.11 °C

Flash point : 146.3 °F / 63.5 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

Upper explosion limit / Upper

flammability limit

7 %(V)

Lower explosion limit / Lower

flammability limit

0.9 %(V)

Vapor pressure : No applicable information available.

Relative vapor density : Heavier than air.

Relative density : No applicable information available.

Density : 1.004 g/cm3 (68 °F / 20 °C)

Solubility(ies)

Water solubility : negligible

Solubility in other solvents : No applicable information available.

Partition coefficient: n- : No data available.

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octanol/water

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Not explosive

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.

Sublimation temperature : No applicable information available.

Molecular weight : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Vapors may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

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Acute dermal toxicity : Remarks: No applicable information available.

#### Skin corrosion/irritation

Not classified based on available information.

**Product:** 

Remarks : May cause skin irritation and/or dermatitis.

### Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks : Vapors may cause irritation to the eyes, respiratory system

and the skin.

## Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

# Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Product:** 

Remarks : Causes sensitization.

## Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Suspected of causing cancer.

## Reproductive toxicity

May damage fertility or the unborn child.

# 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 : The product has not been tested. The statement has been

derived from the properties of the individual components.

Remarks : No data available





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## **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

No data available

Persistence and degradability

No data available

**Bioaccumulative potential** 

**Components:** 

solvent naphtha:

Partition coefficient: n-

log Pow: 3.17

octanol/water

Method: other (calculated)

GLP: no

1,2,4-trimethylbenzene:

Partition coefficient: n-

octanol/water

log Pow: 3.63 (77 °F / 25 °C)

Method: other (calculated)

dibutyl phthalate:

Partition coefficient: n-

octanol/water

log Pow: 4.57 (77 °F / 25 °C)

Method: other (calculated)

log Pow: 4.79 (77 °F / 25 °C) Method: other (measured)

GLP: yes

Remarks: The data refers to the undissociated form of the

substance.

cumene:

Partition coefficient: n-

octanol/water

log Pow: 3.55 (73 °F / 23 °C)

Method: Partition coefficient (n-octanol/water), Shake-flask

method

Mobility in soil

No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

### **SECTION 14. TRANSPORT INFORMATION**

## International Regulations

**UNRTDG** 

Not regulated as a dangerous good

**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.

**Domestic regulation** 

**49 CFR** 

Not regulated as a dangerous good

## **SECTION 15. REGULATORY INFORMATION**

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

1,2,4- 95-63-6

trimethylbenzene

## **US State Regulations**

## Pennsylvania Right To Know

 methanol
 67-56-1

 dibutyl phthalate
 84-74-2

 cumene
 98-82-8

 1,2,4-trimethylbenzene
 95-63-6

listed

**New Jersey Right To Know** 

methanol 67-56-1

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dibutyl phthalate 84-74-2 1,2,4-trimethylbenzene 95-63-6 cumene 98-82-8 Special Hazard.listed

### California Prop. 65

WARNING: This product can expose you to chemicals including cumene, which is/are known to the State of California to cause cancer, and

dibutyl phthalate, 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.

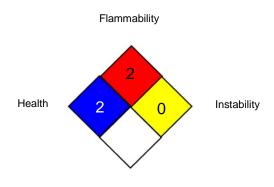
## The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

### **SECTION 16. OTHER INFORMATION**

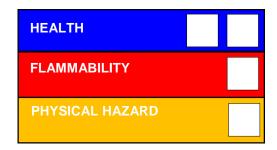
### **Further information**

### NFPA 704:



Special hazard

### HMIS® IV:



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.

## Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

1) ACGIH

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1910.1000

: USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -



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1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

1-A) / TWA value

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

ACGIH / TWA : 8-hour, time-weighted average
ACGIHTLV / TWA value : Time Weighted Average (TWA):
NIOSH / REL value : Recommended exposure limit (REL):

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials: bw - Body weight: CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

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