



Das Original

# CURIL K2

## Safety Data Sheet

according to Regulation (EU) No. 2015/830

Date of issue: 2014-04-08

Revision date: 2019-09-06

Version: 4.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : CURIL K2

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Intended for general public  
Use of the substance/mixture : Sealants

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ElringKlinger AG  
Max-Eyth-Straße 2  
72581 Dettingen/Erms - Germany

Information contact: E-mail: det.iam.sdb@elringklinger.com

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Germany	Giftinformationszentrum (GIZ-Nord) Zentrum Pharmakologie und Toxikologie der Universität Göttingen	Robert-Koch Strasse 40 D-37075 Göttingen	+49 551 19240 (German/English)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225

Full text of H-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger  
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to an authorised waste collection point  
EUH phrases : EUH208 - Contains Methylois. May produce an allergic reaction

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol, ethyl alcohol	(CAS no) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH no) 01-2119457610-43	25 - 50	Flam. Liq. 2, H225
Acetone, propan-2-one, propanone	(CAS no) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH no) 01-2119471330-49	< 1.5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Methylols	(CAS no) -	< 1	Skin Sens. 1, H317
Potassium aluminum silicate (Mica)	(CAS no) 12001-26-2 (EC no) -	5 - 10	Not classified
Silica gel	(CAS no) 112926-00-8 (EC no) 231-545-4 (REACH no) 01-2119379499-16	5 - 10	Not classified
Silicon dioxide	(CAS no) 112945-52-5 (REACH no) 01-2119379499-16	1 - 3	Not classified

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove/Take off immediately all contaminated clothing. In case of loss of conscience place the victim in the recovery position.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Drink plenty of water as a precaution. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : May produce an allergic reaction.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Extinguishing powder. Sand. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Firefighting instructions	: Prevent fire-fighting water from entering environment.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Exclude sources of ignition and ventilate the area.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Use appropriate ventilation. Do not flush with water.

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### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition - No smoking. May form flammable/explosive vapour-air mixture. Take precautionary measures against static discharge. Ensure good ventilation of the work station.
- Hygiene measures : Remove contaminated clothes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Store in dry, cool, well-ventilated area. Keep container tightly closed.
- Storage temperature : 15 - 25 °C
- Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Sealants.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethanol, ethyl alcohol (64-17-5)		
Ireland	Local name	Ethanol
Ireland	OEL (15 min ref) (ppm)	1000 ppm
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
Potassium aluminum silicate (Mica) (12001-26-2)		
Ireland	Local name	Mica
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (R)
United Kingdom	Local name	Mica
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total inhalable) 0.8 mg/m <sup>3</sup> (respirable)
Silicon dioxide (-)		
United Kingdom	Local name	Silica, amorphous
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> inhalable dust 2.4 mg/m <sup>3</sup> respirable
Ireland	Local name	Silica, amorphous
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> inhalable dust 2.4 mg/m <sup>3</sup> respirable
Acetone, propan-2-one, propanone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	500 ppm
Ireland	Local name	Acetone
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	500 ppm
Ireland	Notes (IE)	IOELV
Malta	Local name	Acetone
Malta	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	500 ppm
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	3620 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	1500 ppm
Ethanol, ethyl alcohol (64-17-5)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	1900 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>	

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<b>Ethanol, ethyl alcohol (64-17-5)</b>	
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.38 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

<b>Acetone, propan-2-one, propanone (67-64-1)</b>	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	62 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	200 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	10.6 mg/l
PNEC aqua (marine water)	1.06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	30.4 mg/kg dwt
PNEC sediment (marine water)	3.04 mg/kg dwt
PNEC (Soil)	
PNEC soil	29.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

### 8.2. Exposure controls

Hand protection	: Wear suitable gloves (to European standard EN 374 or equivalent). Nitrile rubber. Butyl rubber. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	: Chemical goggles or safety glasses (EN 166).
Skin and body protection	: Wear suitable protective clothing. (DIN EN 13034).
Respiratory protection	: Use adequate ventilation to keep vapour concentrations below applicable standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: Liquid. Viscous
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: 78 °C
Flash point	: 13 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper/lower flammability or explosive limits	: 3.5 - 15 vol %
Vapour pressure	: 59 hPa (20 °C)

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Vapour density	: No data available
Relative density	: 1.04 g/cm <sup>3</sup> (20 °C, DIN 51757)
Solubility(ies)	: Water: Not miscible
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 425 °C (DIN 51794)
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: Product is not explosive. In use may form flammable/explosive vapour-air mixture.
Oxidising properties	: No data available

### 9.2. Other information

VOC content	: 29.7 %
Solid content	: 70.3 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Ethanol, ethyl alcohol (64-17-5)</b>	
LD50 oral rat	10470 mg/kg (OECD 401)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402)
LC50 inhalation rat (Vapours)	51 mg/l/4h (OECD 403)

  

<b>Acetone, propan-2-one, propanone (67-64-1)</b>	
LD50 oral rat	9750 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (Vapours)	76 mg/l/4h

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

#### Ethanol, ethyl alcohol (64-17-5)

LC50 fish	13000 mg/l 96 h, Oncorhynchus mykiss (OECD 203)
EC50 daphnia	12340 mg/l 48 h, Daphnia magna
LC50 daphnia	5012 mg/l 48 h, Ceriodaphnia dubia
EC50 algae	275 mg/l 72 h, Chlorella vulgaris (OECD 201)

#### Acetone, propan-2-one, propanone (67-64-1)

LC50 fish	5540 mg/l 96 h, Oncorhynchus mykiss (OECD 203)
EC50 daphnia	8800 mg/l 48 h, Daphnia pulex
LC50 daphnia	2100 mg/l 24 h, Artemia salina
NOEC daphnia	2212 mg/l 28 d, Daphnia magna (OECD 211)
NOEC algae	430 mg/l 96 h, Proocentrum minimum

#### 12.2. Persistence and degradability

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Persistence and degradability : Not established.

#### 12.3. Bioaccumulative potential

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Bioaccumulative potential : Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Do not empty into drains. Do not dispose of with domestic waste.  
Waste disposal recommendations : Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.  
European List of Waste (LoW) code : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS  
08 04 00 - wastes from MFSU of adhesives and sealants (including waterproofing products)  
08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances  
Waste code number : The valid EWC waste code numbers are source related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

#### 14.1. UN number

UN-No. (ADR) : 1866  
UN-No. (IATA) : 1866  
UN-No. (IMDG) : 1866

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : RESIN SOLUTION  
Proper Shipping Name (IATA) : RESIN SOLUTION  
Proper Shipping Name (IMDG) : RESIN SOLUTION  
Transport document description (ADR) : UN 1866 RESIN SOLUTION, 3, II, (D/E)

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### 14.3. Transport hazard class(es)

Class (ADR)	: 3
Classification code (ADR)	: F1
Class (IATA)	: 3
Class (IMDG)	: 3
Danger labels (ADR)	: 3



Hazard labels (IATA)	: 3
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Danger labels (IMDG)	: 3
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### 14.4. Packing group

Packing group (ADR)	: II
Packing group (IATA)	: II
Packing group (IMDG)	: II

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Orange plates	:



Special provisions (ADR)	: 640C
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E2
EAC code	: •3YE

#### 14.6.2. Transport by sea

Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B

#### 14.6.3. Air transport

CAO packing instructions (IATA)	: 364
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CAO max net quantity (IATA)	: 60L
PCA packing instructions (IATA)	: 353
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA max net quantity (IATA)	: 5L
PCA Excepted quantities (IATA)	: E2
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 29.7 %

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Changes compared to the previous version : Section 3.2: Mixtures  
Section 8.1: Control parameters  
Section 11.1: Information on toxicological effects  
Section 12.1: Toxicity  
Section 16: Full text of H- and EUH-phrases

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Biological concentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Sens. 1	Sensitisation - Skin, category 1
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H317	May cause an allergic skin reaction

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H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*