



### ▶ SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Name of product: SK2TR000-5  
Article: Cleaner  
Company name: VIK-Composite GmbH  
Street/POB No.: Forststrasse, 31  
State/city/postal code: 73529 Strassdorf (Schwäbisch Gmünd)  
Germany  
Telephone: +49 7171 874 2923  
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E-mail: [sales@vik-composite.com](mailto:sales@vik-composite.com)  
Description: Solvent-based cleaner

### ▶ SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225	Highly flammable liquid and vapour
Skin Irrit. 2	H319	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation
Repr. 2	H361d	Suspected of damaging the unborn child
STOT SE 3	H336	May cause drowsiness or dizziness
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways

#### 2.2 Label elements. Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02 GHS07 GHS08

**Signal word** Danger

##### Hazard-determining components of labelling:

Toluene  
Butanone

##### Hazard statements

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H361d	Suspected of damaging the unborn child
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H304	May be fatal if swallowed and enters airways

##### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.



P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## ▶ SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 78-93-3	butanone	20-50%
EINECS: 201-159-0	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 108-88-3	toluene	20-50%
EINECS: 203-625-9	⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	

Additional information: For the wording of the listed hazard phrases refer to section 16.

## ▶ SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

## ▶ SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

### 5.3 Advice for firefighters

Protective equipment: No special measures required.

## ▶ SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.



Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## ▶ SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Not required.

#### Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed receptacles.

**Storage class:** 3

**7.3 Specific end use(s)** No further relevant information available.

## ▶ SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

##### 78-93-3 butanone (20-50%)

IOELV Short-term value: 900 mg/m<sup>3</sup>, 300 ppm

Long-term value: 600 mg/m<sup>3</sup>, 200 ppm

##### 108-88-3 toluene (20-50%)

IOELV Short-term value: 384 mg/m<sup>3</sup>, 100 ppm

Long-term value: 192 mg/m<sup>3</sup>, 50 ppm

Skin

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: □ 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

## ▶ SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined

##### Change in condition:

Melting point/freezing point:	Undetermined
Initial boiling point and boiling range:	79-80.5°C

Flash point:	4°C
Flammability (solid, gas):	Not applicable
Ignition temperature:	514°C
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not selfigniting
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### Explosion limits:

Lower:	1.2 Vol %
Upper:	11.5 Vol %



<b>Vapour pressure at 20°C:</b>	105 hPa
<b>Density at 20°C:</b>	0.84 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in / Miscibility with water:</b>	Non miscible or difficult to mix
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined
<b>Kinematic:</b>	Not determined
<b>Solvent content:</b>	
<b>Organic solvents:</b>	100.0 %
<b>VOC (EC):</b>	100.0 %

**9.2 Other information:** No further relevant information available

### ▶ SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity** No further relevant information available.

#### **10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### ▶ SECTION 11: TOXICOLOGICAL INFORMATION

#### **11.1 Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

#### **LD/LC50 values relevant for classification:**

##### **78-93-3 butanone**

Oral LD50 3,300 mg/kg (Ratte)

Dermal LD50 5,000 mg/kg (rbt)

##### **108-88-3 toluene**

Oral LD50 5,000 mg/kg (Ratte)

Dermal LD50 12,124 mg/kg (rbt)

Inhalative LC50/4h 5,320 mg/l (mus)

#### **Primary irritant effect:**

##### **Skin corrosion/irritation**

Causes skin irritation.

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

Causes serious eye irritation.

##### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Additional toxicological information:**

##### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.



**Reproductive toxicity** Suspected of damaging the unborn child.  
**STOT-single exposure** May cause drowsiness or dizziness.  
**STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.  
**Aspiration hazard** May be fatal if swallowed and enters airways.

### ▶ SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### ▶ SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Recommendation**

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

### ▶ SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN-Number

ADR, IMDG, IATA

UN1993

#### 14.2 UN proper shipping name

ADR

1993 FLAMMABLE LIQUID, N.O.S. vapour pressure at 50°C not more than 110 kPa) (TOLUENE, ETHYL METHYL KETONE (METHYL ETHYL KETONE))

IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (TOLUENE, ETHYL METHYL KETONE (METHYL ETHYL KETONE))

#### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



**Class  
Label**

3 Flammable liquids  
3



<b>14.4 Packing group</b> ADR, IMDG, IATA	II
<b>14.5 Environmental hazards:</b>	Not applicable
<b>14.6 Special precautions for user</b> <b>Hazard identification number (Kemler code):</b> <b>EMS Number:</b> <b>Stowage Category</b>	Warning: Flammable liquids 33 F-E, <u>S-E</u> B
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
<b>Transport/Additional information:</b> <b>ADR</b> <b>Limited quantities (LQ)</b> <b>Excepted quantities (EQ)</b>	1 L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>Transport category</b> <b>Tunnel restriction code</b>	2 D/E
<b>IMDG</b> <b>Limited quantities (LQ)</b> <b>Excepted quantities (EQ)</b>	1 L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA) (TOLUENE, ETHYL METHYL KETONE (METHYL ETHYL KETONE)), 3, II

## ▶ SECTION 15: REGULATORY INFORMATION

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

#### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment** – Annex II

None of the ingredients is listed.

#### National regulations:

**Breakdown regulations:**

**Class Share in %**

**NK** >50

**Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



### ► SECTION 16: OTHER INFORMATION

The information contained herein is based on our knowledge at the date above and refer only to product indicated and constitutes no guarantee of particular quality.

User is responsible for determining whether the VIK-Composite GmbH product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a VIK-Composite GmbH product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the VIK-Composite GmbH product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

#### **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

#### **Abbreviations and acronyms:**

- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1

**This sheet cancels and replaces any previous edition.**