Safety Data Sheet
acc. to OSHA HCS

Printing date 09/23/2016 Reviewed on 05/11/2016

1 Identification

- **Product identifier**
- **Trade name:** **CILBOND 65 W**
- **Article number:** R024001-00
- **Application of the substance / the mixture** Adhesives
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Kommerling UK Ltd
217 Walton Summit Road
Bamber Bridge
Preston, Lancashire
PR5 8AQ United Kingdom
+44 (0)1772 322888
+44 (0)1772 315853
sds@cilbond.com
- **Information department:**
Abteilung: C-U Qualitäts- und Umweltmanagementcenter
(department: C-U Quality- and Environmentalmanagementcenter)
Tel.: +49 (0)6331/56-2553; Fax.: +49 (0)6331/56-1091
e-Mail: Productsafety@Koe-Chemie.de
(calls from USA: Please dial 01149 instead of +49)
- **Emergency telephone number:**
In case of poisoning:
GBK-EMTEL International
Tel.(24h): +49(0)6132/84463 (all languages)

In case of transport accidents:
Tel.(24h): (001) 352 323 3500 (Infotrac - Contract ID: 90373 / GBK)
- **Emergency-Phone from inside USA/Canada (toll free):**
1 800 535 5053 (Infotrac - Contract ID: 90373 / GBK)

2 Hazard(s) identification

- **Classification of the substance or mixture**
STOT SE 1 H370 Causes damage to organs.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**

GHS08

- **Signal word** Danger

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- **Hazard-determining components of labeling:**
methanol
1-ethoxypropan-2-ol
- **Hazard statements**
H370 Causes damage to organs.
- **Precautionary statements**
Wear protective gloves / eye protection.
Do not breathe mist/vapours/spray.
Do not eat, drink or smoke when using this product.
IF exposed or concerned: Call a POISON CENTER/doctor.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of several substances

- **Dangerous components:**		
2768-02-7	trimethoxyvinylsilane	< 10%
67-56-1	methanol	< 5.0%
64-17-5	ethanol	< 5.0%
1569-02-4	1-ethoxypropan-2-ol	< 5.0%

- **SVHC** Doesn't contain SVHC-substances

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Water spray
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

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- **Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Ensure adequate ventilation
  Keep away from ignition sources
  Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
  Fumes can combine with air to form an explosive mixture.

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
  Protect from frost.
  Keep receptacle tightly sealed.
  Protect from heat and direct sunlight.
  Store receptacle in a well ventilated area.
  Store in dry conditions.
- **Storage class (according german VCI-concept):** 12
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
  The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

67-56-1 methanol	
PEL (USA)	Long-term value: 260 mg/m³, 200 ppm
REL (USA)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin

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TLV (USA)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI
IOELV (European Union)	Long-term value: 260 mg/m³, 200 ppm Skin
64-17-5 ethanol	
PEL (USA)	Long-term value: 1900 mg/m³, 1000 ppm
REL (USA)	Long-term value: 1900 mg/m³, 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m³, 1000 ppm

- **Ingredients with biological limit values:**

67-56-1 methanol	
BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

- **Additional Occupational Exposure Limit Values for possible hazards during processing:**

67-56-1 methanol	
PEL (USA)	Long-term value: 260 mg/m³, 200 ppm
REL (USA)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin
TLV (USA)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI
IOELV (European Union)	Long-term value: 260 mg/m³, 200 ppm Skin

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Immediately remove all soiled and contaminated clothing.
- **Breathing equipment:**
Not required with good ventilation and/or adequate extractor facilities
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Short term filter device:
A2 (DIN EN 14387 / DIN EN 141)
- **Protection of hands:**
Direct contact with the chemical preparation must be avoided by organizational measures. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.
Compliance with the stated penetration time (starts with the first product contact) must be ensured!
The gloves need to be disposed of after the penetration time and new gloves used!
- **For the permanent contact gloves made of the following materials are suitable:**
If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the “Barrier 02-100” underglove from Ansell (penetration time 480 min).
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Fluorinated rubber (Viton) [0.7mm - penetration time 15 min]

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- **As protection from splashes gloves made of the following materials are suitable:**
  Recommended for protection from splashes: disposable nitrile gloves (minimum thickness 0.12 mm) with long cuffs. After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Information on basic physical and chemical properties**	
- **General Information**	
- **Appearance:**	
Form:	Fluid
Color:	Whitish
- **Odor:**	Characteristic
- **Change in condition**	
Boiling point/Boiling range:	78 °C (172 °F)
- **Flash point:**	Not applicable.
- **Ignition temperature:**	425 °C (797 °F)
- **Explosion limits:**	
Lower:	3.5 Vol %
Upper:	15.0 Vol %
- **Vapor pressure at 20 °C (68 °F):**	59 hPa (44 mm Hg)
- **Density at 20 °C (68 °F):**	0.95 g/cm³ (7.928 lbs/gal)
- **Solubility in / Miscibility with**	
Water:	Partly soluble.
- **Solvent content:**	
Organic solvents:	6.5 %
VOC content:	6.5 % 295.6 g/l / 2.47 lb/gl
- **Other information**	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  None, if used according to instructions and stored according to regulations

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**		
ATE (Acute Toxicity Estimates)		
Dermal	LD50	8043 mg/kg
Inhalative	LC50/4 h	48.4 mg/l

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2768-02-7 trimethoxyvinylsilane		
Inhalative	LC50/4 h	11 mg/l (ATE)
67-56-1 methanol		
Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	3 mg/l (ATE)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **Additional toxicological information:** Harmful

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**		
64-17-5	ethanol	1

- **NTP (National Toxicology Program)**
None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal in accordance with official regulations
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**	
- **DOT, ADR,RID,ADN, ADN, IMDG, IATA**	Void
- **UN proper shipping name**	
- **DOT, ADR,RID,ADN, ADN, IMDG, IATA**	Void
- **Transport hazard class(es)**	
- **DOT, ADR,RID,ADN, ADN, IMDG, IATA**	
- **Class**	Void
- **Packing group**	
- **DOT, ADR,RID,ADN, IMDG, IATA**	Void

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- **Environmental hazards:**	Not applicable.
- **Special precautions for user**	Not applicable.
- **Stowage Category**	A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
- **UN "Model Regulation":**	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

67-56-1	methanol
7664-38-2	phosphoric acid

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

67-56-1	methanol
64-17-5	ethanol

- **Cancerogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

64-17-5	ethanol	A3

- **MAK (German Maximum Workplace Concentration)**

64-17-5	ethanol	5

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For industrial use only.

- **Department issuing SDS:**
- **Date of preparation / last revision** 09/23/2016 / -

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- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1