

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

**Safety Data Sheet dated 17/5/2015, version 2**

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

1.1. Product identifier

Trade name: RASCO 2K KMB POLY KLASSISCH A

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

Recommended use:

Two-component bituminous coating

Uses advised against:

==

1.3. Details of the supplier of the safety data sheet

Supplier:

Rasco Bitumentchnik GmbH, Otto-von-Guericke-Ring 11, D-65205 Wiesbaden, Germany

Factory:

Rasco Bitumentchnik GmbH, Imkerweg 32b, D-32832 Augustdorf, Germany

Competent person responsible for the safety data sheet:

rasco@bitumentchnik.de

1.4. Emergency telephone number

Rasco Bitumentchnik GmbH, Imkerweg 32b, D-32832 Augustdorf, Germany

phone: +49-05237 608 0

fax: +49-05237 608 210

www.rasco-bitumen.com (office hours)

Poison center: +49(0)30 30686 790

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

None

Hazard Statements:

None

Precautionary Statements:

None

Special Provisions:

None

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

See at paragraph 11 the additional information concerning crystalline silica

**SECTION 3: Composition/information on ingredients**

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 5% - < 10% free crystalline silica ( $\varnothing > 10 \mu$ )

CAS: 14808-60-7, EC: 238-878-4

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

**SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wash immediately with water for at least 10 minutes.

In case of Ingestion:

A suspension of activated charcoal in water, or petroleum jelly may be administered.

Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

No specific hazards are encountered under normal product use.

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

Treatment:

(see paragraph 4.1)

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

None in particular.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The product does not present a fire hazard

Do not inhale explosion and combustion gases.

The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

5.3. Advice for firefighters

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Limit leakages with earth or sand.  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
Suitable material for taking up: absorbing material, organic, sand  
Wash with plenty of water.  
Retain contaminated washing water and dispose it.
- 6.4. Reference to other sections  
See also section 8 and 13

**SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.  
Fine dust may form explosive mixture with air. Keep away from open flames, heat and sparks.  
Do not remove shrink film in hazardous locations (because of risk of static charging/discharge)
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.  
Store above 5°C.
- 7.3. Specific end use(s)  
None in particular

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

- 8.1. Control parameters  
free crystalline silica ( $\text{Ø} > 10 \mu$ ) - CAS: 14808-60-7  
ACGIH - LTE mg/m<sup>3</sup>(8h): 0.025 mg/m<sup>3</sup> - Notes: A2 (R) - Pulm fibrosis, lung cancer  
DNEL Exposure Limit Values  
N.A.  
PNEC Exposure Limit Values  
N.A.
- 8.2. Exposure controls  
Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.  
Protection for skin:  
No special precaution must be adopted for normal use.

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

Protection for hands:  
Not needed for normal use.

Respiratory protection:  
Not needed for normal use.  
In case of insufficient ventilation use mask with B type filters (EN 14387).

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Thermal Hazards:  
None

Environmental exposure controls:  
None

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Appearance:	paste
Colour:	black
Odour:	typical
Odour threshold:	N.A.
pH:	10
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0,73 g/cm <sup>3</sup> (23°C)
Vapour density (air=1):	N.A.
Solubility in water:	dispersible
Solubility in oil:	N.A.
Viscosity:	250000 mPa.s (23°C)
Auto-ignition temperature:	=== °C
Explosion limits(by volume):	===
Decomposition temperature:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Explosive properties:	===
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

- None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Route(s) of entry:

Ingestion: Yes  
Inhalation: No  
Contact: No

Toxicological information related to the product:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

Corrosive/Irritating Properties:

Eye:

The product can cause a temporary irritation by contact.

Sensitizing Properties:

No effects are known.

Carcinogenic Effects:

The IARC (International Agency for Research on Cancer) believes that the crystalline silica inhaled at the workplace can cause lung cancer in man.

However, it also points out that the cancer effect depends on the silica characteristics and on the biological-physical condition of the environment.

There is a large amount of information in support of the fact that increased risk of cancer is limited to persons suffering from silicosis.

In the current situation of studies, protection of workers from silicosis can be ensured by respecting the exposure limit values.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

No effects are known.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

**SECTION 12: Ecological information**

- 12.1. Toxicity  
Adopt good industrial practices, so that the product is not released into the environment.  
Not available data on the mixture  
Aquatic toxicity: the preparation is not to be considered toxic to the aquatic environment based on components.  
LC50>100mg/l - aquatic species (calculated data following 1999/45/EC Directive).  
Biodegradability: not readily biodegradable  
Biodegradability: no data available on the preparation.  
N.A.
- 12.2. Persistence and degradability  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
List of substances dangerous for the environment and corresponding classification:  
30 ppm octhiline (ISO); 2-octyl-2H-isothiazol-3-one  
CAS: 26530-20-1  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
EC50 (Daphnia): 0.32 mg/l (48 hr)  
EC50 (Algae): 0.031 mg/l (72 hr)  
LC50 (Fish): 0.047 mg/l (96 hr)  
2 ppm 1,2-benzisothiazol-3(2H)-one  
CAS: 2634-33-5  
R50 Very toxic to aquatic organisms.  
EC50 (Daphnia): 3.7 mg/l (48 hr)  
EC50 (Algae): 0.37 mg/l (72 hr)  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
Not available data on the mixture

**SECTION 13: Disposal considerations**

- 13.1. Waste treatment methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force. 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.  
Disposal of not hardened product (EC waste code) : 08 04 14  
The suggested European waste code is just based on the composition of the product.  
According to the specific process or application field a different waste code may be necessary.

**SECTION 14: Transport information**

- 14.1. UN number  
UN Number: ==
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
Rail/Road(RID/ADR): no dangerous good  
ADR-Upper number: NA  
Air (ICAO/IATA): no dangerous good

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

Sea (IMO/IMDG):	no dangerous good
N.A.	
14.4. Packing group	
N.A.	
14.5. Environmental hazards	
Marine pollutant:	No
N.A.	
14.6. Special precautions for user	
N.A.	
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
N.A.	
==	

**SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Dir. 2006/8/EC  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) n. 453/2010 (Annex I)  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
 Restrictions related to the product:  
 Restriction 40  
 Restrictions related to the substances contained:  
 No restriction.

REACH Regulation (1907/2006) – All. XVII: N.A.  
 Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents"  
 Directive 2000/39/CE and s.m.i. (Professional threshold limit)  
 Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations)  
 Directive 105/2003/CE (Seveso III): N.A.  
 ADR Agreement – IMDG Code – IATA Regulation  
 VOC (2004/42/EC) : N.A. g/l

**Social Dialogue on Respirable Crystalline Silica**

On April 26, 2006 was signed a multi-sector social dialogue, based on a "Guide to Good Practices", on workers health protection who are in contact with products containing crystalline silica.  
 The text of the agreement published in G.U. European Union (2006 / C 279/02) and the "Guide to Good Practices", with attachments, are available on [www.nepsi.eu](http://www.nepsi.eu) website, they offer guidelines and

**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

useful information for handling products containing respirable crystalline silica.

15.2. Chemical safety assessment  
No

**SECTION 16: Other information**

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking  
SECTION 3: Composition/information on ingredients  
SECTION 5: Firefighting measures  
SECTION 8: Exposure controls/personal protection  
SECTION 9: Physical and chemical properties  
SECTION 12: Ecological information  
SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances  
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX'S - Dangerous properties of industrial materials  
Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods



**Safety Data Sheet**  
**RASCO 2K KMB POLY KLASSISCH A**

	by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
OEL:	European threshold limit value
VLE:	Threshold Limiting Value.
WGK:	German Water Hazard Class.
TSCA:	United States Toxic Substances Control Act Inventory
DSL:	DSL - Canadian Domestic Substances List