

1 Identification

- Product identifier
- Trade name: RubberTop Edge Sealant _____
- Relevant identified uses of the substance or mixture. Sealant
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
IKO PLC
Appley Lane North
Appley Bridge, Wigan
Lancashire WN6 9AB
Tel: 0844 873 1062
- Emergency telephone number:
Tel: +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

2 Hazard(s) identification

- Classification of the substance or mixture



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- Label elements
- GHS label elements The product is classified and labelled according to the Globally Harmonized System (GHS).
- Hazard pictograms



- Signal word Warning
- Hazard statements
Causes skin and eye irritation.
- Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

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- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 2
Fire = 1
Reactivity = 0

- HMIS-ratings (scale 0 - 4)



Health = 2
Fire = 1
Physical Hazard = 0

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture

- Dangerous components:
and Non-Dangerous Components:

1317-65-3	Limestone	25-50%
64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)	5-20%
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	≤ 2.5%
1333-86-4	Carbon black	≤ 2.5%
68953-58-2	organoclay [containing 0-3% quartz CAS 14808-60-7]	≤ 2.5%
1305-78-8	calcium oxide	≤ 1.0%

4 First-aid measures

- Description of first aid measures
- After inhalation:
Supply fresh air or oxygen; call for doctor.
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 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
- After swallowing:
Rinse out mouth with water. Drink 1 - 2 glasses of water but DO NOT induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Seek medical treatment.
- 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.

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5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
 - CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
 - Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: Protective clothing and respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
 - Pick up mechanically.
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose of contaminated material as waste in accordance with federal state and local regulations.
 - Ensure adequate ventilation.
- 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
 - Avoid prolonged or repeated contact with skin.
 - Avoid contact with eyes.
 - Wash thoroughly after handling.
- Information about protection against explosions and fires: Keep container closed when not in use.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat.
 - Information about storage in one common storage facility: Store away from oxidizing agents.
 - Further information about storage conditions: Keep receptacle tightly sealed.
 - 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:
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1305-78-8 calcium oxide ($\leq 1.0\%$)
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PEL	Long-term value: 5 mg/m ³
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REL	Long-term value: 2 mg/m ³
TLV	Long-term value: 2 mg/m ³

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment (see listings below)
- 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.
- Breathing equipment:
 - Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- Protection of hands:



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Material of gloves
 - Nitrile rubber, NBR
 - Chloroprene rubber, CR
- 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.
- 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:
 - Safety glasses with side shields.



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:

Form:	Solid
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined
- pH-value: Not applicable.
- Change in condition

Melting point:	Undetermined.
Boiling point:	116 °C (241 °F)

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· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Flammable limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Specific gravity at 20 °C (68 °F):	1.35 g/cm ³ (11.266 lbs/gal)
· Relative density	Not determined.
· Vapour density	3.8
	Not applicable.
· Evaporation rate at 20 °C (68 °F)	9.2
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	VOC <250 g/l

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid heat, flames, sparks, hot surfaces, ignition sources.
- Incompatible materials: Reacts with oxidizing agents.
- Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
 - on the skin: Skin irritant.
 - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

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· Additional toxicological information:

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

1333-86-4 Carbon black

2B

· NTP (National Toxicology Program)

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.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: At present there are no ecotoxicological assessments.
- 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:
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - Must be specially treated adhering to official regulations.
 - Disposal must be made according to official regulations.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- | | |
|------------------------------|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | Not applicable. |

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- | | |
|---|-----------------|
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable |
| · UN "Model Regulation": | - |

15 Regulatory information

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

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

- Proposition 65

- Chemicals known to cause cancer:

64742-89-8 Solvent naphtha (petroleum), light aliph.(VM&P)

- Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

- (DSL) Canada Domestic Substance List

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

1333-86-4 Carbon black

A4

- MAK (German Maximum Workplace Concentration)

1333-86-4 Carbon black

3B

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

1333-86-4 Carbon black

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- National regulations:

- Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

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16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, IKO makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will IKO or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

- Department issuing MSDS: Health and Safety Department via OEM
- Creation Date: 02/20/2014
- Date of preparation / last revision 26/03/2015
- Abbreviations and acronyms:

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)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

USA

Version History.

Version 1.0 June 1st 2015 New release for Classification, Labelling Packaging Regulations