

1 Identification

- Product identifier
- Trade name: IKO Ruberseal Tape Primer
- Relevant identified uses of the substance or mixture. Primer

- Details of the supplier of the safety data sheet
- IKO PLC
Appley Lane North
Appley Bridge
Wigan
Lancashire
WN6 9AB
- Information department: technical@ikogroup.co.uk.
- Emergency telephone number: +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

2 Hazard(s) identification

- Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.
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.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

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



GHS02



GHS07



GHS08

- Signal word Danger
- Hazard statements
Highly flammable liquid and vapour.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.

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May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Do not breathe dust/fume/gas/mist/vapours/spray.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = *2
FIRE	3	Fire = 3
PHYSICAL HAZARD	0	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:

64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)	25-50%
108-88-3	toluene	25-50%
112945-52-5	Amorphous Silica	2.5-10%

4 First-aid measures

· Description of first aid measures

· After inhalation:

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

Call a doctor immediately.

Overexposure, remove to fresh air and seek medical attention.

· After skin contact:

Wipe excess from skin.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for 20 minutes under running water. Call a Doctor immediately.

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- 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.
 - Call a doctor immediately.
 - 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.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents:
 - Water
 - Water and water with full jet
- 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
 - Ensure adequate ventilation
 - Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
 - Do not allow product to reach sewage system or any water course.
 - Prevent seepage into sewage system, workpits and cellars.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
 - 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.
 - Do not flush with water or aqueous cleansing agents
- 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.
 - Open containers in a well-ventilated area and avoid breathing headspace vapours.
 - Open and handle receptacle with care.

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- Prevent formation of aerosols.
- Information about protection against explosions and fires:
 - Keep container closed when not in use.
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Keep respiratory protective device available.
- 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.
 - Store in cool, dry conditions in well-sealed receptacles.
- 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:

108-88-3 toluene (25-50%)

PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long-term value: 75 mg/m ³ , 20 ppm BEI

- Ingredients with biological limit values:

108-88-3 toluene (25-50%)

BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene
	0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene
	0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)

- 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.

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- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.
- 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.
- 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
 - 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 cannot 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:
 - 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:	Liquid
Colour:	Off White
Odour:	Solvent-like
Odour threshold:	Not determined
- pH-value: Not determined.
- Change in condition

Melting point:	Undetermined.
Boiling point:	85 °C (185 °F)
- Flash point: >-7.8 °C (>18 °F)
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: N/A °C

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· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Flammable limits: Lower: Upper:	1.2 Vol % 7.0 Vol %
· Vapour pressure at 20 °C (68 °F):	29 hPa (22 mm Hg)
· Specific gravity at 20 °C (68 °F):	0.77 g/cm ³ (6.426 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
· Solvent content: Organic solvents:	82.5 %
· Solids content:	15.0 %
· Other information	VOC < 690 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.
- Incompatible materials: Reacts with strong oxidizing agents.
- Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Nitrogen oxides
Silicon Oxides

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)
Derma	ILD50	12124 mg/kg (rabbit)

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Inhalative	LC50/4 h	5320 mg/l (mouse)
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- Primary irritant effect:
- on the skin:
 - Skin irritant.
 - Irritant to skin and mucous membranes.
- on the eye: Vapours may be irritating to the eyes.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Irritant
 - Carcinogenic.
 - The product can cause inheritable damage.

· Carcinogenic categories

- IARC (International Agency for Research on Cancer)

108-88-3	toluene	3
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- 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.
- 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.
 - Water hazard class 2 (Self-assessment): hazardous for water
 - Do not allow product to reach ground water, water course or sewage system.
 - Danger to drinking water if even small quantities leak into the ground.
- 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.

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- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN1133
· UN proper shipping name · DOT · ADR · IMDG, IATA	Adhesives 1133 Adhesives, mixture ADHESIVES, mixture
· Transport hazard class(es) · DOT	
	
· Class · Label	3 Flammable liquids. 3
· ADR, IMDG, IATA	
	
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, ADR, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user · Danger code (Kemler): · EMS Number:	Warning: Flammable liquids 33 F-E,S-D
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· UN "Model Regulation":	UN1133, Adhesives, mixture, 3, II

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):

108-88-3 toluene

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· TSCA (Toxic Substances Control Act):
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All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
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· Proposition 65

· Chemicals known to cause cancer:

64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)
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· Chemicals known to cause reproductive toxicity:

108-88-3	toluene
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· (DSL) Canada Domestic Substance List
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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)

108-88-3	toluene	II
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· TLV (Threshold Limit Value established by ACGIH)
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108-88-3	toluene	A4
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· MAK (German Maximum Workplace Concentration)
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None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)
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None of the ingredients is listed.

· National regulations:

· Information about limitation of use:
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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.
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· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
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· 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, SealEco 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: SHE Department from OEM.

· Creation Date: 12/06/2015

· 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)
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IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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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)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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Version History

June 12th 2015 Version 1 New issue for Classification, Label, Packaging Regulations (453/2010)