
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: TEKCRYL

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

- Use of the substance/mixture: Coating, Paint

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Kovertek Ltd
- Address of Supplier: Unit 4, Poldermere, Red House Lane, Hannington, Northamptonshire. NN6 9SZ
- Telephone: +44 (0) 1604 781702
- Responsible Person: Barry Mansfield.
- Email: Info@kovertek.com

1.4 Emergency telephone number

- Emergency Telephone: +44(0)1604 781702
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SECTION 2 Hazards identification**2.1 Classification of the substance or mixture**

- CLP:
- Flam. Liq. 3
- STOT SE 3
- STOT RE 1
- Skin Irrit. 2
- Acute Tox. 4
- Aquatic Chronic 2

This product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements**GHS02****GHS08****GHS07****GHS09**

- Signal Word: Danger

- Hazard statements

Flammable liquid and vapour (H226)

Causes skin irritation (H315)

Harmful in contact with skin or if inhaled (H312+H332)

May cause drowsiness or dizziness (H336).

Causes damage to organs through prolonged or repeated exposure (H372).

Toxic to aquatic life with long lasting effects (H411).

- Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection (P280).

SECTION 2 Hazards identification (....)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).
Avoid release to the environment (P273).
Do not breathe dust/fume/gas/mist/vapours/spray (P260).
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
Store locked up (P405).
Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

SECTION 3 Composition/information on ingredients

3.2 Mixtures

- Hydrocarbons C9- C12 N-alkanes Iso Alkanes cyclic aromatics
CAS Number:
EC Number: 919-446-0
Concentration: 12 - 25%
Categories: Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2
 - Xylene
CAS Number: 1330-20-7
EC Number: 215-535-7
Concentration: 10 -13%
Categories: Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2
 - Styrene
CAS Number: 100-42-5
EC Number: 202-851-5
Concentration: <0.15%
Categories: Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Repr. Cat. 2, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3
 - 2-ethylhexyl acrylate
CAS Number: 103-11-7
EC Number: 203-080-7
Concentration: <0.15%
Categories: STOT SE 3 Skin Irrit. 2 Skin Sens. 1
There are no additional ingredients present which, within the current Knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.
Occupational Exposure limits, if available, are listed in Section 8.
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SECTION 4 First aid measures

4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).

SECTION 4 First aid measures (....)

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- If skin irritation or rash occurs: Get medical advice/attention (P333+P313).
- Wash contaminated clothing before reuse (P363).
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Remove victim to fresh air and keep at rest in a position comfortable for breathing (P340).

Protection of First Aiders: No action shall be taken involving any personal risk or without training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained breathing apparatus. It may be dangerous to the person providing aid to give mouth to mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

EYE CONTACT: No known significant effects or critical hazards

INHALATION: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness

Adverse symptoms may include the following: Nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo
unconsciousness.

SKIN CONTACT: Defatting of the skin. May cause skin dryness and irritation.

INGESTION: Can cause central nervous system (CNS) depression.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact a poison centre for specialist treatment if large quantities have been ingested or inhaled.

Specific Treatment: No specific treatment.

SECTION 5 Fire-fighting measures**5.1 Extinguishing media**

- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with a risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons in the vicinity of the incident if there is a fire.

Move containers from fire area if this can be done without risk. Use water spray to keep fire exposed containers cool.

Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN469 will provide a basic level of protection for chemical incidents.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapours or mist. Provide adequate ventilation. Wear a respirator when ventilation is inadequate. Wear appropriate personal protective equipment. If specialised clothing is required to deal with the spillage, take note of Section 8.

6.2 Environmental Precautions

- Avoid release to the environment (P273).
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

Stop the leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment.
Absorb the spillage with dry inert material and place in a suitable waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

- See Section 1
 - See Section 8
 - See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

Refer to Section 8 for appropriate personal protective equipment. Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Ensure adequate ventilation. Wear appropriate respirator where ventilation is inadequate. Keep in original container. Keep container tightly closed when not in use. Store away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Use explosion-proof electrical equipment (ventilation, lighting and handling equipment) Take precautions against static discharge.
Empty containers hold product residues. Do not reuse containers.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored or processed.

Workers should thoroughly wash face and hands before eating, drinking or smoking. Contaminated clothing and protective equipment must be removed before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area in original containers. Store away from sunlight and away from oxidizing materials.
Keep away from foodstuffs.
Carefully reseal any opened containers to ensure no leakage.

7.3 Specific end use(s)

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Hydrocarbons C9-C12 N-Alkanes, Isoalkanes cyclic aromatics (2-25%)
DNEL (dermal) 44 mg/kg
DNEL (inhalational) 71 mg/m³
- Xylene
WEL (short term) 441220 mg/m³
WEL (long term) 220 mg/m³
- Styrene
DNEL (dermal) 406 mg/kg
DNEL (inhalational) 85 mg/m³

8.2 Exposure controls

Use only with adequate ventilation. Use process controls and enclosures, local exhaust ventilation and other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion proof ventilation equipment.

Hygiene Measures: Wash thoroughly after handling chemical products, before eating, drinking, smoking or using the toilet and at the end of any working period. Remove any contaminated clothing and laundry before re-use.

Eye/Face Protection: Safety glasses with side shields to the appropriate recognised standard should be worn if a safety assessment indicates that there may be a risk of exposure to liquid splashes, mists, gases or dusts.

Hand Protection: Chemically impervious gloves should be worn at all times when handling chemical products. The parameters specified by the glove manufacturer should be taken into consideration and performance of the glove should be checked during use to ensure retention of their protective properties. Protection time of gloves cannot be accurately estimated for mixtures.

Protective Clothing: Personal protective clothing should be selected based on the task and the risk. Where there is a risk from static electricity, anti-static clothing, footwear and gloves should be selected. Refer to European Standard EN1149.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard.

Respirators must be used in accordance with a respiratory protection program to ensure proper fitting and training.

Environmental Exposure Controls; Emissions from ventilation or processing equipment must be checked to ensure compliance with environmental protection legislation.

**Boots****Gloves****Suit****Goggles****Respirator****No Flames****No Smoking**

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

SECTION 9 Physical and chemical properties (....)

- Appearance: Grey, paste
- Odour: Solvent odour
- Solubility in water: Insoluble in water
- Boiling Point/Range: Boiling point - not known
- Density 1.1 g/cm³ at 20 deg C
- Flashpoint: 39 deg C

9.2 Other information

SECTION 10 Stability and reactivity**10.1 Reactivity**

- This article is considered stable under normal conditions

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- To the best of our knowledge, the properties of this material have not been fully evaluated

10.4 Conditions to avoid

- Avoid contact with oxidising substances
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information**11.1 Information on toxicological effects**

- Hydrocarbons C9 -C12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%)
LD50 (skin,rabbit) 3400 mg/kg
 - Xylene
LD50 (oral, rat) 4300 mg/kg
 - Styrene
LD50 (oral, rat) >15000 mg/kg
LD50 (skin, rabbit) >2000 mg/kg
LC50 (inhalation, rat) 12 mg/l/4h
 - 2-ethylhexyl acrylate
LD50 (oral, rat) 6700 mg/kg
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SECTION 12 Ecological information**12.1 Toxicity**

SECTION 12 Ecological information (....)

- Hydrocarbons C9-C12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%)
EC50 (Daphnia magna) 10 - 22 mg/l (48 hr)
IC50 (algae) 4.6 - 10 mg/l (72 hr)
LC50 (fish) 10 - 30 mg/l (96 hr)
- Styrene
EC50 (daphnia) 4.7 mg/l (48 hr)
IC50 (algae) 33 mg/l (96 hr)
LC50 (fish) 4 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Low bioaccumulation potential

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
 - Dispose of contents/container to an authorised waste collection point (P501)
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SECTION 14 Transport information**Flammable Liquid****Marine Pollutant****14.1 UN Number**

- UN No.: 1866

14.2 Proper Shipping Name

- Proper Shipping Name: RESIN SOLUTION

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine pollutant
Environmentally hazardous labelling is not required for packaging of 5lt/5Kg or less

14.6 Special precautions for user

SECTION 14 Transport information (....)

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
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SECTION 15 Regulatory information

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

- All components of this preparation are registered on the European Inventory of Existing Chemical Substances (EINECS)
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16 Other information

Abbreviations and acronyms: ATE= Acute Toxicity Estimate.

CLP= Classification, Labelling and Packaging Regulations [Regulation (EC) No.1272/2008]

DMEL= Derived Minimal Effect Level

DNEL= Derived No Effect Level.

PBT= Persistent, Bioaccumulative and Toxic

PNEC=Predicted No Effect Concentration.

RRN= REACH Registration Number

vPvB= Very Persistent and very Bioaccumulative.

Full text of abbreviated H statements:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Full text of Classifications:

Acute Tox. 4, H332

Aquatic Chronic 2, H411

Aquatic Chronic 3, H412

Asp. Tox.1, H304

EUH066

Eye Irrit. 2, H319

Flam. Liq. 3, H226

Repr. 2 H361d

ACUTE TOXICITY (inhalation) - Category 4

LONG TERM (CHRONIC) AQUATIC HAZARD - Category 2

LONG TERM (CHRONIC) AQUATIC HAZARD - Category 3

ASPIRATION HAZARD - Category 1

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE/EYE IRRITATION- Category 2

FLAMMABLE LIQUID - Category 3

REPRODUCTIVE TOXICITY (Unborn child) - Category 2

SECTION 16 Other information (....)

Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
STOT RE 1, H372 (inhalation)	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (inhalation) - Category 1
STOT RE 1, H372 - Category 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE
STOT SE 3 , H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (respiratory tract irritation) - Category 3
STOT SE, H336	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (narcotic effects) - Category 3

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Final determination of the suitability of any material is the sole responsibility of the user. All materials can present hazards that we cannot reasonably predict and all chemical materials should be used with caution. Kovertex cannot guarantee that additional security measures will not be required under exceptional or unusual circumstances.