

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: TS141E/NC

Synonyms: EHC: 28611000002227

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

1.3. Details of the supplier of the safety data sheet

Company name: Robnor ResinLab Ltd
31 Athena Avenue
Elgin Industrial Estate
Swindon
Wiltshire
SN2 8EJ
United Kingdom
Tel: +44(0) 1793 823741
Fax: +44(0) 1793 827033
Email: eusds@robnor.co.uk

1.4. Emergency telephone number

Emergency tel: +44(0) 1793 823741
(office hours only)

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Carc. 2: H351; Aquatic Chronic 3: H412; STOT RE 2: H373; STOT SE 2: H371

Most important adverse effects: Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs ([lungs]) ([inhalation (vapour)]). May cause damage to organs ([hearing][kidneys][liver]) through prolonged or repeated exposure ([inhalation (vapour)]). Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H302: Harmful if swallowed.

H315: Causes skin irritation.

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H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H371: May cause damage to organs ([lungs]) ([inhalation (vapour)]).

H373: May cause damage to organs ([hearing][kidneys][liver]) through prolonged or repeated exposure ([inhalation (vapour)]).

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Warning

Precautionary statements: P260: Do not breathe vapours.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of water.

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P273: Avoid release to the environment.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DICHLOROMETHANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-838-9	75-09-2	-	Carc. 2: H351	50-70%

XYLENES - REACH registered number(s): 01-2119488216-32-XXXX

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 2: H371; STOT RE 2: H373; Eye Irrit. 2: H319	1-10%
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NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

265-185-4	64742-82-1	-	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411	1-10%
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METHANOL - REACH registered number(s): 01-2119433307-44-XXXX

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	1-10%
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AMORPHOUS SILICA - REACH registered number(s): 01-2119379499-16-XXXX

231-545-4	7631-86-9	Substance with a Community workplace exposure limit.	-	1-10%
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PARAFFIN & HYDROCARBON WAXES

232-315-6	8002-74-2	Substance with a Community workplace exposure limit.	-	1-10%
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ETHYLBENZENE - REACH registered number(s): 01-2119489370-35-XXXX

202-849-4	100-41-4	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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ACETIC ACID

200-580-7	64-19-7	-	Flam. Liq. 3: H226; Skin Corr. 1A: H314	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air. Avoid direct contact with the substance. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DICHLOROMETHANE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	350 mg/m ³	1060 mg/m ³	-	-

XYLENES

UK	220 mg/m ³	441 mg/m ³	-	-
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METHANOL

UK	-	-	266 mg/m ³	333 mg/m ³
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ETHYLBENZENE

UK	441 mg/m ³	552 mg/m ³	-	-
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ACETIC ACID

UK	25 mg/m ³	37 mg/m ³	-	-
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DNEL/PNEC Values

Hazardous ingredients:

XYLENES

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	77 mg/m ³	Workers	Systemic
DNEL	Inhalation	289 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	180 mg/m ³	Workers	Systemic
PNEC	Fresh water	327 ug/L	-	-
PNEC	Marine water	327 ug/L	-	-
PNEC	Microorganisms in sewage treatment	6.58 mg/L	-	-
PNEC	Fresh water sediments	12.46 mg/kg	-	-
PNEC	Marine sediments	12.46 mg/kg	-	-
PNEC	Soil (agricultural)	2.31 mg/kg	-	-

METHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	260 mg/m ³	Workers	Systemic
DNEL	Inhalation	260 mg/m ³	Workers	Local

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DNEL	Dermal	40 mg/kg	Workers	Systemic
PNEC	Fresh water	20.8 mg/L	-	-
PNEC	Marine water	2.08 mg/L	-	-
PNEC	Microorganisms in sewage treatment	100 mg/L	-	-
PNEC	Fresh water sediments	77 mg/kg	-	-
PNEC	Marine sediments	7.7 mg/kg	-	-
PNEC	Soil (agricultural)	3.18 mg/kg	-	-

ETHYLBENZENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	77 mg/m ³	Workers	Systemic
DNEL	Inhalation	293 mg/m ³	Workers	Local
DNEL	Dermal	180 mg/kg	Workers	Systemic
PNEC	Fresh water	100 ug/L	-	-
PNEC	Marine water	10 ug/L	-	-
PNEC	Food chain	9.6 mg/L	-	-
PNEC	Fresh water sediments	13.7 mg/kg	-	-
PNEC	Marine sediments	1.37 mg/kg	-	-
PNEC	Soil (agricultural)	2.68 mg/kg	-	-
PNEC	Food chain	20 mg/kg	-	-

ACETIC ACID

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	25 mg/m ³	Workers	Local
PNEC	Fresh water	3.058 mg/L	-	-
PNEC	Marine water	351 ug/L	-	-
PNEC	Microorganisms in sewage treatment	85 mg/L	-	-
PNEC	Fresh water sediments	11.36 mg/kg	-	-
PNEC	Marine sediments	1.136 mg/kg	-	-
PNEC	Soil (agricultural)	470 ug/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be used in handling.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Viscosity: Highly viscous

Relative density: 1.18

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DICHLOROMETHANE

ORL	MUS	LD50	4770	mg/kg
ORL	RAT	LD50	5350	mg/kg
SCU	MUS	LD50	6460	mg/kg

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XYLENES

DERMAL	RBT	LD50	>4200	mg/kg
ORAL	RAT	LD50	5627	mg/kg
VAPOURS	RAT	4H LC50	29	mg/l

NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>7.63	mg/l

METHANOL

DERMAL	RBT	LD50	15800	mg/kg
ORAL	RAT	LD50	5628	mg/kg
VAPOURS	RAT	4H LC50	83.87	mg/l

AMORPHOUS SILICA

DERMAL	RBT	LD50	>5000	mg/kg
DUST/MIST	RAT	4H LC50	>2.08	mg/l
ORAL	RAT	LD50	>3300	mg/kg

PARAFFIN & HYDROCARBON WAXES

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>25000	mg/kg

ETHYLBENZENE

DERMAL	RBT	LD50	15397	mg/kg
ORAL	RAT	LD50	3500	mg/kg
VAPOURS	RAT	4H LC50	17.4	mg/l

ACETIC ACID

IVN	MUS	LD50	525	mg/kg
ORL	RAT	LD50	3310	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated

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Serious eye damage/irritation	OPT	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

XYLENES

Daphnia magna	48H EC50	3.1	mg/l
FISH	96H LC50	86	mg/l
Scenedesmus Subspicatus	72H ErC50	>1	mg/l

NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

Daphnia magna	48H EC50	4.5	mg/l
FISH	96H LC50	8.2	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	3.1	mg/l

METHANOL

Daphnia magna	48H EC50	24500	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	19000	mg/l

ETHYLBENZENE

Daphnia magna	48H EC50	>1.8	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	5.4	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	4.2	mg/l

ACETIC ACID

Daphnia magna	48H EC50	>1000	mg/l
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MARINE ALGAE (<i>Skeletonema costatum</i>)	72H ErC50	>300	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	>1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

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H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H311: Toxic in contact with skin.

H312+H332: Harmful in contact with skin or if inhaled

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer ({{{0 | | message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> | | filter=()? EXP_ROUTE_+}}}).

H370: Causes damage to organs ({{{0 | | message=<or state all organs affected, if known> | | filter=()?ORGAN_+}}}) ({{{1 | | message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> | | filter=()? EXP_ROUTE_+}}}).

H371: May cause damage to organs ({{{0 | | message=<or state all organs affected, if known> | | filter=()?ORGAN_+}}}) ({{{1 | | message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> | | filter=()? EXP_ROUTE_+}}}).

H373: May cause damage to organs ({{{0 | | message=<or state all organs affected, if known> | | filter=()?ORGAN_+}}}) through prolonged or repeated exposure ({{{1 | | message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> | | filter=()?EXP_ROUTE_+}}}).

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.