
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SC610

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

- Use of the substance/mixture: For scientific research and development only., Temperature indicating colour change paint., For professional use only.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: TMC Hallcrest
- Address of Manufacturer: Riverside Buildings,
Dock Road,
Connah's Quay,
Deeside,
Flintshire, CH5 4DS,
Wales. U.K.
- Telephone: +44 (0) 1244 818348
- Email: Sales@tmc.hallcrest.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 3, Skin Irrit. 2

2.2 Label elements



- Signal Word: Warning
- Hazard statements
Flammable liquid and vapour.
Causes skin irritation.
- Precautionary statements
Store in a well-ventilated place. Keep cool.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
IF ON SKIN: Wash with plenty of soap and water.
Take action to prevent static discharges.

2.3 Other hazards

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- xylene
 - CAS Number: 1330-20-7
 - EC Number: 215-535-7
 - Concentration: 20 - 30%
 - Categories: Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2
 - REACH Registration Number: 01-2119488216-32
 - Symbols: GHS02;GHS07
 - H Statements: H226;H332;H312;H315

 - 2-methoxy-1-methylethyl acetate
 - CAS Number: 108-65-6
 - EC Number: 203-603-9
 - Concentration: 10-20%
 - Categories: Flam. Liq. 3
 - REACH Registration Number: 01-2194759129-00
 - Symbols: GHS02
 - H Statements: H226

 - ethylbenzene
 - CAS Number: 100-41-4
 - EC Number: 202-849-4
 - Concentration: 1 - 10%
 - Categories: Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1
 - REACH Registration Number: 01-2119489370-00
 - Symbols: GHS02;GHS07;GHS08
 - R/H Phrases: H225;H332;H304;H373 (hearing organs)
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SECTION 4: First aid measures**4.1 Description of first aid measures**

- Contact with eyes
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- Contact with skin
 - IF ON SKIN: Wash with plenty of soap and water.
 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - If skin irritation occurs: Get medical advice/attention.

- Ingestion
 - Do not induce vomiting
 - Get medical advice/attention.

- Inhalation
 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - If medical advice is needed, have product container or label at hand.

SECTION 4: First aid measures (....)**4.2 Most important symptoms and effects, both acute and delayed**

- May cause irritation
- May cause dermatitis
- In cases of severe exposure, nausea/vomiting may develop
- In cases of severe exposure, systemic effects may develop
- Harmful if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

- IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- In case of fire: Use Dry chemical, Foam, CO2 to extinguish.

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- In case of leakage, eliminate all ignition sources.
- Wear protective clothing as per section 8

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly.

6.4 Reference to other sections

- For disposal refer to section 13.
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Dispose of contents/container to hazardous waste collection

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

- No information available
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- 2-methoxy-1-methylethyl acetate
 - WEL: 8-hr limit ppm: 50 WEL 8-hr limit mg/m³: 274
 - DNEL (inhalational): Acute inhalation - Local effects 550 mg/m³ (Workers)
- ethylbenzene
 - WEL: 8-hr limit ppm: 100 WEL 8-hr limit mg/m³: 441
 - DNEL (inhalational): Long-term - inhalation - Systemic effects 15 mg/m³ Long-term - oral - Systemic effects 1.3 mg/m³
- xylene
 - WEL: 8-hr limit ppm: 50 WEL 8-hr limit mg/m³: 220
 - DNEL (inhalational): Long-term - inhalation - Systemic effects 14.8 mg/m³ Long-term - dermal - Systemic effects 108 bw/day Long-term - oral - Systemic effects 1.6 bw/day

8.2 Exposure controls

- Ensure adequate ventilation
- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- Safety goggles with lateral shielding (DIN EN 166)
- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Liquid
- colour Red
- Odour: Characteristic odour
- pH - not applicable
- Melting point - not applicable
- Freezing point/Range: Not available
- Boiling Point/Range: 140°C
- Flashpoint: 30°C
- Evaporation rate - not known
- Vapour pressure - not known
- Vapour density - not known
- Vapour pressure: not known at 22 deg C
- Specific gravity: 1.34 g/cm³
- Fat solubility - not known
- Partition coefficient : n-Octanol/water - not known
- Auto-ignition point - not known
- Viscosity - not known
- Explosive Properties: Not available
- Oxidising Properties: No information available

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

- Solubility in water: No information available
- Conductivity - not known
- Volatile Organic Compound Content 636 g/l

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

- No information available

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special requirements

10.5 Incompatible materials

- Keep away from food, drink and animal feedingstuffs

10.6 Hazardous decomposition products

- Burning produces obnoxious and irritating fumes.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Acute Toxicity : Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
- Skin corrosion/irritation: May cause irritation to skin.
- Serious eye damage/irritation: No data available
- Respiratory or skin sensitisation: No data available.
- Germ cell mutagenicity - No data is available on this product
- Carcinogenic Effects: No information available
- Reproductive Effects: No information available
- STOT-single exposure: No data is available on this product.
- STOT-repeated exposure: No data is available on this product.
- Aspiration hazard: No data is available on this product.
- Repeated or prolonged exposure :No data is available on this product.
- 2-methoxy-1-methylethyl acetate
Oral Rat LD50: 8532 mg/kg Dermal Rabbit LD50: >5 gm/kg
- ethylbenzene
Inhalation Rat LC50/2H h: 55000 mg/m3
Inhalation Mouse LC50/2H h: 35500 mg/m3
uL/kg
Oral Rat LD50: 3500 mg/kg
Dermal Rabbit LD50: 17800
- xylene
Inhalation Rat LC50/4H h: 5000 ppm
Oral Mouse LD50: 2119 mg/kg
Oral Rat LD50: 4300 mg/kg
Dermal Rabbit LD50: >1700 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- immiscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

To be disposed of as hazardous waste

13.1 Waste treatment methods

- Dispose of contents/container to hazardous waste collection point.
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SECTION 14: Transport information

14.1 UN number

- UN No.: 1263

14.2 Proper Shipping Name

- Proper Shipping Name: PAINT

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- No information available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- No information available
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H315: Causes skin irritation. H332: Harmful if inhaled. H373: May cause damage to organs through prolonged or repeated exposure.

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information only relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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