
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SC155

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

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

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, Eye Dam. 1, Aquatic Chronic 2

2.2 Label elements



- Signal Word: Danger
- 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: 20-30%
 - 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)

 - SC155 Pigment
 - CAS Number: Proprietary
 - EC Number: Proprietary
 - Concentration: 15-20%
 - Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1
 - REACH Registration Number:
 - Symbols: GHS09 GHS07 Wng
 - H Statements: H302; H400; H410; H318; H315
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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].
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SECTION 4: First aid measures (....)

If skin irritation occurs: Get medical advice/attention.

- Ingestion
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
May cause irritation
- Contact with skin
Irritating to skin
- Ingestion
In cases of severe exposure, gastro-intestinal disturbances may develop
The ingestion of significant quantities may cause damage to central nervous system
The ingestion of significant quantities may cause nausea/vomiting
- Inhalation
May cause shortness of breath
Irritating to respiratory system

4.3 Indication of any immediate medical attention and special treatment needed

- Contact with eyes
If eye irritation persists: Get medical advice/attention.
 - Contact with skin
Seek medical attention if irritation persists
 - Inhalation
Seek medical attention if irritation persists
-

SECTION 5: Firefighting measures**5.1 Extinguishing media**

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

5.2 Special hazards arising from the substance or mixture

- Burning produces obnoxious and irritating fumes.

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

SECTION 6: Accidental release measures (....)

- Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Wash
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Dispose of contents/container to hazardous waste

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

- Do not spray on a naked flame or any incandescent material
 - Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- 2-methoxy-1-methylethyl acetate
WEL: 8 hr. limit 50ppm 247 mg/m³
WEL: 15 min limit 100ppm 548 mg/m³
- ethylbenzene
WEL: 8hr limit 100ppm 441 mg/m³
WEL: 15 min limit 125ppm 552mg/m³
- SC155 Pigment
WEL: 8 hr. time weighted 1mg/m³ (as Cu dust)
WEL: 15min STEL 2mg/m³ (as Cu dust)

8.2 Exposure controls

- Appropriate engineering controls: Ensure adequate ventilation of work place
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - Safety goggles with lateral shielding (DIN EN 166)
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SECTION 8: Exposure controls/personal protection (....)

- Skin Protection - Hand Protection: Chemical resistant gloves DIN EN 374-3
 - Wear suitable respiratory equipment when necessary. Use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate.
 - Environmental Exposure Control: Appropriate local exhaust ventilation is required.
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Liquid
- Colour Blue
- Odour: Characteristic odour
- pH - not applicable
- Melting point - not applicable
- Freezing point/Range: Not available
- Boiling Point/Range: 140°C
- Flashpoint: 32°C
- Evaporation rate - not known
- Vapour pressure - not known
- Vapour density - not known
- Vapour pressure: not known at 22 deg C
- Specific gravity: 1.27 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:
- Solubility in water:
- Conductivity - not known
- Volatile Organic Compound Content 729g/l

9.2 Other information

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

- Shut off all ignition sources

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

- Avoid sources of ignition

10.5 Incompatible materials

- No special requirements

10.6 Hazardous decomposition products

SECTION 10: Stability and reactivity (....)

- Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity
No information available but must be considered harmful
 - Skin corrosion/irritation
Can cause skin irritation.
 - Serious eye damage/irritation
No information available
 - Respiratory or skin sensitisation
No information available
 - Germ cell mutagenicity
No information available
 - Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 - Reproductive toxicity
No information available
 - STOT-single exposure
No information available
 - STOT-repeated exposure
May cause damage to organs through repeated exposure.
 - 2-methoxy-1-methylethyl acetate
LD50 (oral, rat): 8532 mg/kg
LD50 (dermal, rabbit): > 5g/kg
 - ethylbenzene
LD50 (oral, rat): 3500 mg/kg
LD50 (dermal, rabbit): 17800 ul/kg
LC50 (inhalation) : Mouse LC50/2H h: 35500 mg/m3
LD50 (dermal, rabbit): 17800 ul/kg
 - SC155 Pigment
LD50 (oral, rat): 501 mg/kg
 - xylene
LD50 (oral, rat):
LD50 (dermal, rabbit): > 1700 mg/kg
LC50 (inhalation, rat): /4H h 5000ppm
LD50 (oral, mouse): 2119 mg/kg
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SECTION 12: Ecological information

12.1 Toxicity

- Contains ingredients that are dangerous for the environment (see section 3)
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SECTION 12: Ecological information (....)

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

13.1 Waste treatment methods

- Dispose of contents/container to hazardous waste
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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

- Marine Pollutant
- ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

- No information available

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

- Tunnel Code: D/E
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SECTION 15: Regulatory information

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

SECTION 15: Regulatory information (....)

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No1907/2006 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. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H315: Causes skin irritation. H318: Causes serious eye damage. H332: Harmful if inhaled. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

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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