
MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product name: MILLER ELASTIN STAIN

Product Code: HST510

Brand: Solmedia Ltd

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

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive
Battlefield Enterprise Park
Shrewsbury
SY1 3TF
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Aquatic Chronic 3: H412; Flam. Liq. 1: H224;
STOT SE 2: H371; Carc. 2: H351; Acute Tox. 4: H302

Most important adverse effects: Extremely flammable liquid and vapour. Causes serious eye irritation. May cause damage to organs. Harmful to aquatic life with long lasting effects. Harmful if swallowed. Suspected of causing cancer.

2.2 Label elements

Labels elements under CLP:

Hazard statements: H224: Extremely flammable liquid and vapour.
H319: Causes serious eye irritation.
H371: May cause damage to organs
H412: Harmful to aquatic life with long lasting effects.

H302: Harmful if swallowed.

H351: Suspected of causing cancer.

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



Precautionary statements: P243: Take precautionary measures against static discharge.

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

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.

Rinse skin with.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor.

P370+378: In case of fire: Use Foam Extinguisher for extinction.

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

ETHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit	Flam. Liq. 2: H225	50-70%

METHANOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
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%

1,3-BENZENEDIOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-585-2	108-46-3	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Acute 1: H400	<1%

C.I. BASIC VIOLET 3

EINECS	CAS	CHIP Classification	CLP Classification	Percent
208-953-6	548-62-9	-	Carc. 2: H351; Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%

NEW FUCHSIN

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	3248-91-7	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 1: H410; Carc. 2: H351; STOT SE 3: H335; Aquatic Acute 1: H400	<1%

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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 irritation and redness 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. 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

Delayed / immediate effects Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Firefighting measures

5.1 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

In combustion emits toxic fumes.

5.3 Advice for firefighters

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

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

Refer to section 8 of SDS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
UK	1920 mg/m ³	-	-	-

METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
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1,3-BENZENEDIOL

UK	46 mg/m ³	92 mg/m ³	-	-
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DNEL / PNEC

No data available

8.2 Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State: Liquid

Flash point°C: 12

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of 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

Heat.

10.5 Incompatible materials

Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

In combustion emits toxic fumes

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients:****ETHANOL**

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

1,3-BENZENEDIOL

ORL	MUS	LD50	200	mg/kg
ORL	RAT	LD50	301	mg/kg
SCU	MUS	LD50	213	mg/kg

Relevant effects for mixture

Effect	Route	Basis
Acute toxicity (toxic)	INH DRM ING	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness 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. 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.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12: Ecological information**12.1 Toxicity**

Ecotoxicity values: No data available

12.2 Persistence and degradability

Not Biodegradable

12.3 Bioaccumulative potential

Bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

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

SECTION 14: Transport information**14.1. UN number** UN1993**14.2. UN proper shipping name**

ETHANOL SOLUTION

14.3. Transport hazard class(es) 3**14.4. Packing group** II**14.5. Environmental hazards****Environmentally hazardous:** No**Marine pollutant:** No**14.6. Special precautions for user****Special precautions:** No special precautions.**Tunnel code:** D/E**Transport category:** 2

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical safety assessment

SECTION 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

Phrases used in s.2 and 3: H224: Extremely flammable liquid and vapour.

H225: Highly flammable liquid and vapour

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H371: May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.