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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

**Product name:** MAY-GRÜNWALD STAIN

**Product Code:** HST508

**Brand:** Solmedia Ltd

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

PC21: Laboratory chemicals.

#### 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

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CLP:** STOT SE 1: H370; Acute Tox. 3: H301+311+331; Flam. Liq. 2: H225

**Classification under CHIP:** T: R23/24/25; T: R39/23/24/25

**Most important adverse effects:** Highly flammable liquid and vapour. Toxic if swallowed, in contact with skin or if inhaled.  
Causes damage to organs.

#### 2.2 Label elements

##### Labels elements under CLP:

- Hazard statements:** H225: Highly flammable liquid and vapour.  
H301+311+331: Toxic if swallowed, in contact with skin or if inhaled.  
H370: Causes damage to organs.
- Signal words:** Danger
- Hazard pictograms:** GHS02: Flame

GHS06: Skull and crossbones

GHS08: Health hazard



**Precautionary statements:**

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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

P311: Call a POISON CENTER or doctor.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P301+310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

### 2.3 Other hazards

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

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	.90%

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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. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a

litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact. Absorption through the skin may be fatal.

**Eye contact:** There may be severe pain. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness

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

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

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

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### 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

Toxic. 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.

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### SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Notify the police and fire brigade immediately. 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. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area. 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

**Suitable packaging:** Not applicable.

### 7.3 Specific end use(s)

No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
EU	260 mg/m <sup>3</sup>	-	266 mg/m <sup>3</sup>	333mg/m <sup>3</sup>

**Hazardous ingredients:**

**METHANOL**

**Workplace exposure limits:****Respirable dust**

State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
EU	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-

**DNEL / PNEC**

No data available

**8.2 Exposure controls**

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

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

**Hand protection:** Impermeable gloves. Full contact  
Material: butyl-rubber  
Minimum layer thickness: 0.3 mm  
Break through time: 480 min Splash contact  
Material: Nitrile rubber  
Minimum layer thickness: 0.4 mm  
Break through time: 30 min

**Eye protection:** Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Environmental:** Do not let product enter drains. Prevent from entering in public sewers or the immediate environment.

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

**State:** Liquid

**Flash point°C:** 11

**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. Hot surfaces. Flames.

### 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

#### Toxicity Values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	> 1,187-2,769	mg/kg
INHALATION	RAT	4H LC50	131.25	mg/l
DERMAL	RBT	LD50	17,100	mg/kg

#### Hazardous ingredients:

#### METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5620	mg/kg

#### Relevant effects for mixture

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

#### Symptoms / routes of exposure

**Skin contact:** There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact. Absorption through the skin may be fatal.

**Eye contact:** There may be severe pain. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness

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

**Other information:** Not applicable

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Ecotoxicity values:**

Species	Test	Value	Units
FISH	96H LC50	15,400	mg/l
DAPHNIA	48H EC50	>10,000	mg/l
ALGAE	72H ErC50	22,000	mg/l

### 12.2 Persistence and degradability

Biodegradable

### 12.3 Bioaccumulative potential

No 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

Negligible ecotoxicity.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

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

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#### SECTION 14: Transport information

**14.1. UN number** UN1230

**14.2. UN proper shipping name**

ADR/RID: METHANOL, SOLUTION

IMDG: METHANOL, SOLUTION

IATA: Methanol, SOLUTION

**14.3. Transport hazard class(es)** 3

**14.4. Packing group** 2

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

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#### 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**

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

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#### 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:** H225: Highly flammable liquid and vapour

H301: Toxic if swallowed.

H301+311+331: Toxic if swallowed, in contact with skin or if inhaled.

H311: Toxic in contact with skin.



H331: Toxic if inhaled.

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>.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

#### 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.