

# Safety Data Sheet

May-Grunwald Stain, Jenner Stain

Revision Date: 07/24/19

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>1.1 Product identifier</b>	Trade name: May-Grunwald, Jenner stain Product code(s): 5583MG-32
<b>1.2 Relevant identified uses</b>	Laboratory Reagent
<b>Supplier:</b>	Astral Diagnostics Inc.  800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
<b>Synonym:</b>	None.
<b>Material uses:</b>	Laboratory Reagent.
<b>Validation date:</b>	12/11/2013
<b>In case of emergency:</b>	800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

#### GHS Label Elements: Pictogram



Signal Word:

**Danger!**

#### Hazard statement(s):

**H225:** Highly flammable liquid vapor

**H301+H311+H331:** Toxic if swallowed, in contact with skin or if inhaled

**H370:** Causes damage to organs

#### Precautionary statement(s):

**P210:** Keep away from heat/sparks/open flames. No smoking

**P233:** Keep container tightly closed

**P242:** Use only non-spark tools

**P264:** Wash skin thoroughly after handling

#### NFPA Rating

Health hazard: 2

Fire: 3

Reactivity Hazard: 0

#### HMIS Classification

Health hazard: 2

Flammability: 3

Physical hazards: 0

**Potential Health Effects :** Inhalation - Causes respiratory tract irritation.  
Skin - Causes skin irritation.  
Eyes - Causes eye irritation.  
Ingestion – Potentially toxic if swallowed in large quantities.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Methanol	67-56-1	~100
May Grunwald	68988-92-1	<1

### 4. FIRST AID MEASURES

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*

**First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream

#### 5.2 Special hazards arising from the substance or mixture

No additional information available

#### 5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.

Emergency procedures: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

**Hygiene measures:** Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** Comply with applicable regulations.

**Storage conditions:** Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

**Incompatible products:** Strong oxidizers. Strong reducing agents. Strong bases.

**Incompatible materials:** Sources of ignition. Direct sunlight

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Methanol	ACGH	TWA	200 ppm	
	OSHA	PEL (TWA)	260 mg/m <sup>3</sup>	
	OSHA	REL (TWA)	200 ppm	
	NIOSH	TWA	200 ppm, 260 mg/m <sup>3</sup>	

**Personal protective equipment:** Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or face shield.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Wear appropriate mask. Gas mask with filter type B.

**Other information:** Do not eat, drink or smoke during use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Flash Point:** Closed cup: 11°C

**pH:** NA

**Melting/freezing point:** NA

**Vapor pressure:** NA

**Odor threshold:** NA

**VOC:** NA

**Color:** Blue/purple

**Odor:** Alcohol

**Boiling/condensation point:** NA

**Relative density:** NA

**Vapor density:** NA

**Evaporation rate:** NA

**Solubility:** Soluble in the following materials: water

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Hygroscopic

### 10.3. Possibility of hazardous reactions

No additional information

### 10.4. Conditions to avoid

Heat, flames and sparks

### 10.5. Incompatible materials

Strong oxidizers, strong bases, strong acids, peroxides, acid anhydrides

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Methanol

LD50 oral rat 1,187-2,769 mg/kg

LC50 inhalation rat (mg/l) 128.2 mg/l (4hr)

LC50 inhalation rat (mg/l) 87.6 mg/l (6hr)

LD50 Dermal rabbit 17,100 mg/kg

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

#### Skin Corrosion/irritation

Causes severe skin burns and eye damage

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

Suspected of causing genetic defects

## 12. ECOLOGICAL INFORMATION

### Toxicity:

Methanol

LC50 fish 1 15400 mg/l (96h; *Lepomis macrochirus*; Lethal)

EC50 *Daphnia* 1 >10000 mg/l (48h; *Daphnia magna*; Lethal)

### Persistence and degradability:

Methanol

Readily biodegradable in water. Biodegradable in soil

### Bioaccumulative potential:

Methanol  
BCF fish 1 <10 Leuciscus

**Mobility in soil:**

Methanol  
Surface tension 0.023 N/m

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

## 13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: 1230 Class: 3 Packing group: II

Proper shipping name: Methanol, solution

Marine pollutant: No

Poison Inhalation Hazard: No

### IMDG

UN number: 1230 Class: 3 Packing group: II EMS-No: F-E, S-E

Proper shipping name: Methanol solution

Marine pollutant: No

### IATA

UN number: 1230 Class: 3 Packing group: II

Proper shipping name: Methanol Solution

### TDG

UN No: 1230 Class 3 Packing Group II

Proper Shipping Name Methanol solution

## 15. REGULATORY INFORMATION

### 15.1 US Federal regulations

Methanol

RQ 5000 lb

SARA Section 311/312 Hazardous Classes: Immediate health hazard, fire hazard

### 15.2 International regulations

Methanol

WHMIS Classification: Class B Division 2-Flammable Liquid, Class D Division 2 Subdivision A- Very toxic material causing other toxic effects, Class D Division 2 subdivision B- Toxic material causing other toxic effects

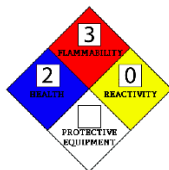
### 15.3 California Proposition 65



**WARNING:** This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. OTHER INFORMATION

### National Fire Protection Association (U.S.A.)



#### Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Astral Diagnostics, Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.