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Product: **Sedl Stain**
 Catalog No. 1570
 1571
 Rev. A

Primary Care Diagnostics
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Material Safety Data Sheet

SECTION I Product Identification

<u>Chemical Name</u>	<u>Synonyms</u>	<u>Formula</u>	<u>Conc</u>	<u>CAS R.N.</u>
Ethanol w/5% Methanol	Reagent Alcohol	C ₂ H ₆ O	10.0	64175
Ammonium Oxalate	N.A.	(NH ₄) ₂ C ₂ O ₄ • H ₂ O	<0.1	1113388
Safranin O	Basic Red 2	N.A.	0.25	477736
Crystal Violet	Gentian Violet	N.A.	0.1	548629

SECTION II Hazardous Ingredients

<u>Chemical Name</u>	<u>Nature of Hazard</u>
Ethanol	Irritant, Narcotic
Methanol	Irritant, Narcotic, Poison

SECTION III Physical Data

<u>Chemical Name</u>	<u>Boiling Point °C</u>	<u>Vapor Pressure</u>	<u>Vapor Density</u>	<u>Solubility in H₂O</u>	<u>Specific Gravity</u>	<u>% Volatility</u>	<u>Evaporation Rate</u>
Ethanol	78.32°	40mm @ 19°	1.59	Complete	0.7893	N.A.	N.A.
Methanol	64.8°	100mm @ 21.2°	1.11	Complete	0.7915	N.A.	N.A.

Appearance and Odor

Violet colored liquid, fragrant odor

SECTION IV Fire and Explosion Hazard Data

<u>Chemical Name</u>	<u>Flash Point °F</u>	<u>LEL</u>	<u>UEL</u>	<u>Extinguishing Media</u>	<u>Firefighting Procedures</u>	<u>Fire and Explosion Hazards</u>
Ethanol	55.6°	3.3%	19%	Alcohol Foam, CO ₂ , Dry Chemical	Use water to keep fire exposed containers cool	Dangerous when exposed to heat or flame.
ethanol	54°	6.0%	36.5%	Alcohol Foam	Use water to keep fire exposed containers cool	Dangerous when exposed to flame, or oxidizers. See incompatibility.

SECTION V Health Hazard Data

<u>Chemical Name</u>	<u>TLV</u>	<u>Toxicity Data</u>	<u>Health Hazards</u>
Ethanol	Air: 1000ppm DTLUS	Eye-IHNN: 20ppm OEL-NAN TDL 50mg/Kg GIT	Irritant to eyes and upper respiratory tract. Narcotic
Methanol	Air: 200ppm DTLUS	Eye-IHNN: 5ppm IHL-IHNN TCL ₀ : 86,000mg/m ³ : 1RR OEL-IHNN LDI ₀ : 340mg/Kg	Irritant to eyes, skin, and respiratory. Severe exposure may be toxic or fatal.

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First Aid Procedure

Eyes: Irrigate immediately
Respiratory: Fresh Air

Eyes: Irrigate immediately
Skin: Water flush immediately
Respiratory: Artificial respiration/Fresh Air

SECTION VI Reactivity Data

<u>Chemical Name</u>	<u>Stability</u>	<u>Incompatibility</u>	<u>Hazardous Decomposition Products</u>
Ethanol	Stable	Oxidizing materials	N.A.
Methanol	Stable	Oxidizing materials. Reacts violently with CrO ₃ , IC ₂ H ₅ OH & H ₂ O, HClO ₄ , P ₂ O ₅ .	N.A.

SECTION VII Spill and Disposal Procedures

Absorb on paper and evaporate in a hood, Dilute with water and flush to sewer.

SECTION VIII Special Protection Information

Wear protective goggles and appropriate working clothes. Eliminate all sources of ignition.

SECTION IX Special Precautions

Use adequate ventilation. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Materials Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued.