

## **SAFETY DATA SHEET**

### **SECTION 1: Identification of the product and of the company**

**Product Identifier**

**Product Code:** 894337000099

**Product Trade Name:** 1K Satin Water Based Urethane

**Product Class:** Acrylic

**Material Uses:** Coatings: Industrial surface coatings and finishes.

### **SECTION 2: Hazards Identification**

**Physical State:** Liquid

**Odor:** Little odor of amine or no odor present.

**Emergency Overview:** Vapors may be irritating to eyes, nose, throat and lungs.  
May cause skin irritation and/or dermatitis.

**Principle routes of entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential acute health effects:**

**Inhalation:** May cause irritation of respiratory tract.

**Ingestion:** May cause gastrointestinal irritation nausea, vomiting and diarrhea.

**Skin:** Substance may cause skin irritation.

**Eyes:** May cause slight irritation.

**Potential chronic health effects:**

Repeated contact may cause allergic reactions in very susceptible persons.

**See toxicological information (Section 11)**



WARNING

**Aggravated medical Conditions:** None known

### SECTION 3: Composition/Information on ingredients

Hazardous Ingredient:	Approximate Concentration by weight	C.A.S. Number
Ethylene Glycol	1.0 - 5.0 %	107-21-1
Diacetone Alcohol	1.0 - 5.0 %	123-42-2
Butyl Carbitol	0.5 - 1.50 %	112-34-5
2-propoxy ethanol	0.5 - 1.50 %	2807-30-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### SECTION 4: First Aid Measures

**General Advice:**

No hazards which require special first aid measures.

**Eye Contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a Physician.

**Skin Contact:**

Wash off immediately with soap and water removing all contaminated clothes and shoes.

**Inhalation:**

Move to fresh air, If symptoms persists, call a Physician.

**Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Consult a Physician if necessary.

**Notes to Physician:**

Treat symptomatically.

### SECTION 5: Firefighting Measures

**Flammability of the product:**

NOT flammable

**Flash Point C Deg.:** Not applicable

**Flash Point F Deg.:** Not applicable

**Flammable Limits:** Not applicable

**Flammable Limits in Air:**

**Upper Explosion Limit:** Not applicable

**Lower Explosion Limit:** Not applicable

**NFPA Health:** 1 **Flammability:** 0 **Reactivity:** 0 **Special:** Not applicable

**NFPA Legend**

- 0 - Not hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

**Suitable Extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special Protective Equipment  
And Precautions For**

**Fire-fighters:** Fire-fighters should wear appropriate equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

**Special remarks on fire**

**Hazard:** Closed containers may rupture if exposed to fire or extreme heat.

**Sensitivity to Mechanical**

**Impact:** No

**Sensitivity to Static**

**Discharge:** No

**SECTION 6: Accidental release measure**

**6.1 Personal precautions:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:**

Soak up with inert absorbant material. Sweep up and shovel into suitable containers for disposal.

**Other Information:**

None known

**SECTION 7: Handling and Storage**

**Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage:**

Keep container tightly closed. Keep out of the reach of children.

<b>SECTION 8: Exposure controls/personal protection</b>
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**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

**Hygiene Measures:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**Personal Protective**

**Equipment:**

**Respiratory:** In case of insufficient ventilation wear suitable respiratory equipment.

**Skin:** Protective gloves and impervious clothing.

**Eyes:** Safety glasses with side-shields.

**Control parameters**

**Occupational exposure limits:**

Product/ingredient name	ACGIH TLV (United States 4/2014)	NIOSH REL (United States 10/2013)	OSHA PEL (United States, 2/2013)
Ethylene Glycol, CAS#: 107-21-1	Ceiling: 100 mg/m <sup>3</sup>	Not Available	Not Available
Diacetone Alcohol, CAS#: 123-42-2	TWA 50 ppm	Not Available	PEL 240 mg/m <sup>3</sup>
Butyl Carbitol, CAS#: 112-34-5	TWA 10 ppm	Not Available	Not Available
2-propoxy Ethanol, CAS#: 2807-30-9	Not Available	Not Available	Not Available

**Legends**

ACGIH - American Conference of Industrial Hygienists

TLV - Threshold Limit Value

TWA - Time weighted average

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Appearance:** Clear liquid

**Odor:** Little odor of amine or no odor present

**Physical state:** Liquid

**pH:** 9.0 - 9.5

**Flash Point/Range:** Not applicable

**Flash Point Method:** Not applicable

**Boiling Point/Range:** 100 - 230 degree Celsius

**Melting Point:** Not Available

**Freezing Point:** 0 degree Celsius

<b>Flammibility Limits in Air:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Specific Gravity:</b>	1.06 +/- 0.1 @ 25C
<b>Evaporation Rate:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Vapour Density:</b>	Not available
<b>Percent Volatile (Volume):</b>	73.7 +/- 1%
<b>Percent Volatile (Weight):</b>	67.3 +/- 1%
<b>Viscosity:</b>	78-82 KU @25C

#### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	The product is stable, under normal conditions of storage and use.
<b>Conditions to Avoid:</b>	Prevent from freezing.
<b>Incompatible Materials:</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products:</b>	None under normal use.

**Possibility of hazardous reactions:** hazardous polymerization will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### Information on toxicological effects

Product/ingredient name	Result	Species	Dose	
Ethylene Glycol	LD50 Oral	Human	1110-1665 mg/kg	-
	LD50 Dermal	Rabbit	9530 mg/kg	-
	LC50 Inhalation	Rat	4300 ppm	4 hours
Diacetone Alcohol	LD50 Oral	Rat	4000 mg/kg	-
	LD50 Dermal	Rabbit	13630 mg/kg	-
	LC50 Inhalation	Rat	No Data	
Butyl Carbitol	Not Listed	-	-	-
2- propoxy Ethanol	LD50 Oral	Rat	3,089 mg/kg	-
	LD50 Dermal	Rabbit	1,337 mg/kg	-
	LC50 Inhalation	Mouse	1530 ppm	7 hours

##### Acute Toxicity

No information available

##### Carcinogenicity

No information available

**Mutagenicity**  
Not Applicable

**SECTION 12: ECOLOGICAL INFORMATION**

**Do not allow product or any runoff from fire control to enter storm or sanitary sewers, lakes, rivers, or public waterways.**

**Federal regulations and other agencies may require to be notified of a spill incident.**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste disposal method:** Disposal of in accordance with Federal, provincial and municipal regulations. Dry empty containers may be recycled.

**SECTION 14: TRANSPORT INFORMATION**

**TDG** Not regulated

**ICAO/IATA** Not regulated

**SECTION 15: REGULATORY INFORMATION**

**Canada**



**WHMIS (Canada)**

Class D2A: material causing toxic effects (Toxic)

**Canada Inventory DSL**

All components of this product are on the CEPA DSL inventory

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.**

**United States**

**U.S. Federal regulations**

<b>SECTION 16: OTHER INFORMATION</b>
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**HMIS:**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Physical Hazards</b>	<b>0</b>
<b>Personal protection</b>	

<b>Legend HMIS/NFPA</b>	
<b>Severe</b>	<b>4</b>
<b>Serious</b>	<b>3</b>
<b>Moderate</b>	<b>2</b>
<b>Slight</b>	<b>1</b>
<b>Minimal</b>	<b>0</b>

**Note: The customer is responsible for determining the PPE code for this material.**

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