



*Painting the World...  
Without Costing the Earth*

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## MATERIAL SAFETY DATA SHEET

MSDS Preparation Date (mm/dd/yyyy): 02/24/2014

### SECTION 1: IDENTIFICATION

**Product identifier** : VINYLPREP  
**Product Use** : Surface cleaner  
**Chemical Family** : Ketones  
**Manufacturer part no.** : VINYLPREP

**Supplier's name and address:**

**AquaSurTech OEM**  
2148 Trans-Canada Highway  
Dorval, QC, Canada, H9P 2N4

**Manufacturer's name and address:**

Refer to Supplier

**Information Telephone #** : (514) 684-2628 (Monday - Friday, 8:00 am - 5:00 pm, Eastern Standard Time)  
**24 Hr. Emergency Tel #** : Chem-Tel 800-255-3924

### SECTION 2 - HAZARDS IDENTIFICATION

**Classification** : This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). WHMIS Classification:  
Class B2 (Flammable Liquids)  
Class D2B (Materials Causing Other Toxic Effects, Toxic Material)



**Emergency Overview** : Clear liquid. Mint-like odour.  
DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if inhaled. May cause respiratory irritation. May cause central nervous system depression. May be harmful or fatal if swallowed. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Causes severe eye irritation.

### POTENTIAL HEALTH EFFECTS:

#### Signs and symptoms of short-term (acute) exposure

- Inhalation* : Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.  
*Skin* : May cause mild transient irritation.  
*Eyes* : May cause moderate to severe irritation. Symptoms may include a burning sensation, pain, watering, and/or changes in vision (blurred vision).  
*Ingestion* : May cause nausea, vomiting, and diarrhea. Material is an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

**Effects of long-term (chronic) exposure** : Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin.  
**Carcinogenic status** : See TOXICOLOGICAL INFORMATION, Section 11.  
**Additional health hazards** : See TOXICOLOGICAL INFORMATION, Section 11.  
**Potential environmental effects** : See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt.%</u>
Acetone	67-64-1	60.00 - 100.00

### SECTION 4 - FIRST AID MEASURES

- Inhalation** : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
- Skin contact** : Immediately flush with plenty of water, while removing contaminated clothing. Get medical attention. Wash contaminated clothing before re-use.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Do not induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Notes For Physician** : Treat symptomatically.

## SECTION 5 - FIRE FIGHTING MEASURES

### Fire hazards/conditions of flammability

- : Extremely flammable liquid. Will ignite when exposed to heat, flame and other sources of ignition. Vapours are heavier than air and collect in confined and low-lying areas. Vapour can travel considerable distance and flashback to a source of ignition. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Oxidizing properties

- : None known.

### Explosion data: Sensitivity to mechanical impact / static discharge

- : May be sensitive to static discharge. Not expected to be sensitive to mechanical impact.

### Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog. Water may be ineffective because it may not cool product below the flashpoint.

### Special fire-fighting procedures/equipment

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Shield personnel to protect from venting or rupturing containers. Water spray may be useful in cooling equipment exposed to heat and flame.

### Hazardous combustion products

- : Carbon oxides; Aldehydes; Hydrocarbons; Ketones; Other unidentified organic compounds.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal precautions

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up.

### Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

### Spill response/cleanup

- : Ventilate area of release. Remove all sources of ignition. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Use proper bonding and grounding techniques when transferring liquid. Use only non-sparking tools. Notify the appropriate authorities as required.

### Prohibited materials

- : Do not use sparking tools.

## SECTION 7 - HANDLING AND STORAGE

### Safe Handling procedures

- : Use in a well-ventilated area. Wear suitable protective equipment during handling. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, and open flames. Use proper bonding and grounding techniques when transferring liquid. Use only non-sparking tools with this material. Avoid contact with incompatible materials. Do not puncture or incinerate. Wash thoroughly after handling.

### Storage requirements

- : Store in a cool, dry, well-ventilated area. Keep away from direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

### Incompatible materials

- : Strong oxidizing agents; Acids; Bases.

### Special packaging materials

- : Always keep in containers made of the same materials as the supply container.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>Exposure Limits</u>				
<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Acetone	500 ppm	750 ppm	1000 ppm	N/Av

**Ventilation and engineering measures**

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Respiratory protection**

: If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.

**Skin protection**

: Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

**Eye / face protection**

: Safety glasses with side-shields or chemical splash goggles.

**Other protective equipment**

: Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

**General hygiene considerations**

: Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	: liquid	<b>Appearance</b>	: Clear liquid.
<b>Odour</b>	: Mint-like odour.	<b>Odour threshold</b>	: N/Av
<b>pH</b>	: N/Av		
<b>Boiling point</b>	: 56.8 °C	<b>Specific gravity</b>	: 1.0
<b>Melting/Freezing point</b>	: -95 °C	<b>Coefficient of water/oil distribution</b>	: N/Av
<b>Vapour pressure (mmHg @ 20° C / 68° F)</b>	: 400 @ 39.5 °C	<b>Solubility in water</b>	: miscible
<b>Vapour density (Air = 1)</b>	: 2.0	<b>Evaporation rate (n-Butyl acetate = 1)</b>	: 7.7
<b>Volatile organic Compounds (VOC's)</b>	: N/Av	<b>Volatiles (% by weight)</b>	: 50 - 60
<b>Flash point</b>	: -20 °C		
<b>Flash point Method</b>	: closed cup	<b>Auto-ignition temperature</b>	: Not available.
<b>Lower flammable limit (% by vol.)</b>	: 2.5	<b>Upper flammable limit (% by vol.)</b>	: 12.8
<b>Flame Projection Length</b>	: N/Av	<b>Flashback observed</b>	: N/Av
<b>Absolute pressure of container</b>	: N/Av	<b>Viscosity</b>	: N/Av
<b>General Information</b>	: No additional information.		

**Section 10: STABILITY AND REACTIVITY**

<b>Stability and reactivity</b>	: Stable under the recommended storage and handling conditions prescribed.
<b>Hazardous polymerization</b>	: Will not occur.
<b>Conditions to avoid</b>	: Keep this product away from heat, sparks, flame, and other sources of ignition (e.g. pilot lights, electric motors, static electricity).
<b>Materials To Avoid And Incompatibility</b>	: See Section 7 (Handling and Storage) for further details.
<b>Hazardous decomposition products</b>	: None known, refer to hazardous combustion products in Section 5.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Target organs</b>	: Eyes, skin, respiratory system, digestive system, central nervous system.
<b>Routes of exposure</b>	: <i>Inhalation</i> : YES <i>Skin Absorption</i> : NO <i>Skin &amp; Eyes</i> : YES <i>Ingestion</i> : YES
<b>Irritancy</b>	: Moderate to severe eye irritant. Mild skin irritant. May cause respiratory irritation.

**Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Ingredients</u>	<b>LC<sub>50</sub>(4hr)</b>	<b>LD<sub>50</sub></b>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Acetone	30,000 ppm	5800 mg/kg	> 16,000 mg/kg

**Carcinogenic status** : Does not contain any disclosable ingredients considered to be carcinogens by IARC or ACGIH.

**Reproductive effects** : Not expected to have other reproductive effects.

**Teratogenicity** : Not expected to be a teratogen.

**Mutagenicity** : Not expected to be mutagenic in humans.

**Epidemiology** : No information available.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.

**Synergistic materials** : None known or reported by the manufacturer.

**other important hazards** : None known or reported by the manufacturer.

**Conditions aggravated by overexposure** : Pre-existing skin, eye, respiratory and central nervous system disorders.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity** : No data is available on the product itself. The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

**Mobility** : No data is available on the product itself.

**Persistence** : No data is available on the product itself.

**Bioaccumulation potential** : No data is available on the product itself.


**Other Adverse Environmental effects** : No data is available on the product itself.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Handling for Disposal** : Handle waste according to recommendations in Section 7. Do not puncture or incinerate containers. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

**Methods of Disposal** : Dispose of in accordance with federal, provincial and local hazardous waste laws.

**SECTION 14: TRANSPORT INFORMATION**

<b>Regulatory Information</b>	<b>UN Number</b>	<b>Shipping Name</b>	<b>Class</b>	<b>Packing Group</b>	<b>Label</b>
TDG	UN1090	ACETONE SOLUTION	3	II	
<b>TDG Additional information</b>	Within Canada, the Limited Quantity Exemption may apply for containers which hold specific quantities of the product. Under the TDGR, refer to section 1.17 for Limited Quantity Exemption information, if shipping under this exemption.				

**SECTION 15 - REGULATORY INFORMATION**

**Labelling:**

DANGER! Extremely flammable liquid and vapour. Vapours may cause flash fire. Harmful if inhaled. May cause respiratory irritation. May cause central nervous system depression. May be harmful or fatal if swallowed. Aspiration into lungs may be fatal. Causes severe eye irritation.

Precautions Use in a well-ventilated area. Wear suitable protective equipment during handling. Do not ingest. Avoid breathing vapors or mists. Avoid contact with eyes, skin or clothing. Keep away from heat, sparks, open flame or other sources of ignition. Avoid contact with incompatible materials. Keep containers closed when not in use. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area away from sources of heat, ignition and sunlight.

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FIRST AID: If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stopped, begin artificial respiration. If irritation persists, seek prompt medical attention. For skin contact, wash with soap and water while removing contaminated clothing. If irritation persists, seek prompt medical attention. For eye contact, flush with running water for at least 15 minutes. Seek immediate medical attention/advice. If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

**Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

**This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.**

**US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

**SECTION 16 - OTHER INFORMATION****Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 AIHA: American Industrial Hygiene Association  
 CAS: Chemical Abstract Services  
 CPR: Controlled Products Regulation  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 Inh: Inhalation  
 MSHA: Mine Safety and Health Administration  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NIOSH: National Institute of Occupational Safety and Health  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration  
 PEL: Permissible exposure limit  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 TSCA: Toxic Substance Control Act  
 WHMIS: Workplace Hazardous Materials Identification System

**References**

: 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2011  
 2. International Agency for Research on Cancer Monographs, searched 2011  
 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases (Chempendium, HSDB and RTECs). (2012)  
 4. Material Safety Data Sheets from manufacturer.

**Prepared By:**

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*The information accumulated here in is believed to be accurate but not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the materials if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer / distributor of the product as described in Section 1.*

MSDS Preparation Date (mm/dd/yyyy)

: 02/24/2014

**END OF DOCUMENT**