

# Viterra Inc.

## Material Safety Data Sheet

Product: **Viterra Ag Surf Liquid Spray Adjuvant**

### IDENTIFICATION & DESCRIPTION

**PCP Act Reg. #:** 29275  
**WHMIS STATUS:** Controlled  
**WHMIS CLASS (ES):** B3, D2B  
**PHYSICAL STATE:** Liquid  
**APPEARANCE & ODOUR:** Clear viscous liquid, slight odour  
**USES:** Adjuvant  
**SUPPLIER:** INTERPROVINCIAL COOPERATIVE LTD.  
**MANUFACTURED FOR:** Viterra Inc.  
**ADDRESS:** 2625 Victoria Avenue  
Regina, SK S4T 7T9  
**MANUFACTURED BY:** Interprovincial Cooperative Limited  
**ADDRESS:** 945 Marion St.  
Winnipeg, Manitoba  
R2J 0K7  
**EMERGENCY PHONE NO:** (613) 996-6666 (Canutec) / (877) 943-2876 (Viterra)

### PHYSICAL DATA

**SPECIFIC GRAVITY:** (@ 20.0 C): 1.0300  
**VAPOUR DENSITY:** (Air = 1): 2.55  
**SOLUBILITY IN WATER:** Soluble  
**SOLUBILITY IN LIQUIDS:** Not Established  
**FREEZING POINT:** Not Established  
**% VOLATILE BY VOLUME:** 7  
**BOILING POINT:** (C): 108  
**ODOUR THRESHOLD (ppm):** Not Established  
**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not Established  
**VAPOUR PRESSURE:** 10 mg Hg @ 25 C  
**EVAPORATION RATE:** Not Established  
**PH: (5% wt/wt)** 7 – 8

### CONTROLLED PRODUCTS LIST

<b>Ag Surf</b>			
<b>LD50-ORAL:</b>	2460 mg/kg Rat	<b>LD50-DERMAL:</b>	Not Established
<b>T.L.V. (ACGIH):</b>	Not Established	<b>LC50:</b>	Not Established
<b>Alkyl phenol-ethoxylate</b>			
<b>C.A.S. #:</b>	68412-54-4	<b>% (W/W):</b>	92
<b>LD50-ORAL:</b>	Not Established	<b>LD50-DERMAL:</b>	Not Established
<b>T.L.V. (ACGIH):</b>	Not Established	<b>LC50:</b>	Not Established
<b>Isobutanol</b>			
<b>C.A.S. #:</b>	78-83-1	<b>% (W/W):</b>	8
<b>LD50-ORAL:</b>	Not Established	<b>LD50-DERMAL:</b>	Not Established
<b>T.L.V. (ACGIH):</b>	Not Established	<b>LC50:</b>	Not Established

### FIRE & EXPLOSION DATA

**FLASH POINT & METHOD:** (C): 42 (Close Cup)  
**FLAMMABLE LIMITS (% IN AIR):** Lower: 1.8 Upper: 10.6  
**AUTOIGNITION TEMPERATURE:** Not Established  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** Product will burn under fire conditions. Vapours may travel a considerable distance to a source of ignition and flash back along vapour trail  
**EXTINGUISHING MEDIA:** CO2, water fog or foam.

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**SPECIAL OXIDIZING MATERIAL HAZARDS:** None.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon oxides and products of incomplete combustion.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

### HAZARDOUS REACTIVITY

**DECOMPOSITION TEMP:** Not Established

**STABILITY:** Yes.

**MATERIALS TO AVOID:** Strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon

**HAZARDOUS POLYMERIZATION OR CONDENSATION:** Will not occur.

**CONDITIONS TO AVOID:** Heat, open flames, sparks and static electricity

### TOXICOLOGICAL DATA

**CHRONIC HEALTH HAZARDS:** Not Established

**MUTAGENICITY DATA:** No information is available and no adverse mutagenic effects are anticipated.

**CARCINOGENICITY DATA:** No information is available and no adverse carcinogenic effects are anticipated.

**TERATOGENICITY DATA:** No information is available and no adverse teratogenic effects are anticipated.

**REPRODUCTIVE EFFECTS:** No information is available and no adverse reproductive effects are anticipated.

**EFFECTS OF OVEREXPOSURE (INHALATION):** Harmful if inhaled. Mists may cause coughing, shortness of breath, upper respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE (EYES):** Liquid is severe irritant; may cause corneal damage and conjunctivitis. Vapour is an irritant; may cause corneal damage and photophobia (light sensitivity).

**EFFECTS OF OVEREXPOSURE (SKIN):** Causes irritation. Can cause redness, inflammation on prolonged contact

**EFFECTS OF OVEREXPOSURE (INGESTION):** May cause nausea, vomiting and stomach cramps.

### PREVENTATIVE MEASURES

**STORAGE AND USE:** Store in a cool, well-ventilated area. Keep away from children; prevent contact with eyes, skin, and clothing. Do not store near fertilizers, foodstuffs, seed, insecticides or fungicides. Do not contaminate irrigation ditches or domestic water supplies. If this happens notify police and local authorities.

**STEPS TO BE TAKEN IN THE EVENT OF A SPILL, LEAK, OR RELEASE:** In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

**SPECIAL ENGINEERING CONTROLS:** Local ventilation. Mechanical if used indoors on a continuous basis.

**WASTE DISPOSAL METHOD:** Dispose of waste materials in an approved incinerator or waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of wastes in local sewer or with normal waste.

**EYE PROTECTION:** CSA approved safety glasses with side shields or goggles.

**RESPIRATORY PROTECTION:** No respiratory protection needed unless mist generated, then a NIOSH/MSHA toxic mist mask suggested.

**SKIN PROTECTION (HAND AND ARM):** PVC or rubber gloves.

**SKIN PROTECTION (FEET):** Rubber boots.

**SKIN PROTECTION (BODY):** Coveralls.

**OTHER PERSONAL PROTECTION:** Recommendations listed above indicate the type of equipment, which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

### FIRST AID DATA

**FIRST AID (INHALATION):** Remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention IMMEDIATELY.

**FIRST AID (INGESTION):** Unless unconscious or convulsing dilutes material with 1-2 glasses of water or milk. DO NOT induce vomiting. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

**FIRST AID (SKIN):** Flush skin with running water, then continue flushing with running water for 5 - 10 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

**Viterra Inc.**  
**Material Safety Data Sheet**

**FIRST AID (EMERGENCY MEDICAL CARE):** None known.

**FIRST AID (EYES):** In case of contact, immediately flush eyes with plenty of water for 5 - 10 minutes and get medical attention.

**OTHER INFORMATION**

**SPECIAL SHIPPING INFORMATION:** Observe applicable shipping and handling regulations. **ADDITIONAL INFORMATION:** THE ENCLOSED INFORMATION IS SUPPLIED AS A CUSTOMER SERVICE AND IS PROVIDED IN GOOD FAITH. ALTHOUGH IT HAS BEEN BASED ON DATA DRAWN FROM SOURCES DEEMED TO BE RELIABLE, VITERRA OU IPCO CANNOT GUARANTEE ITS ACCURACY AND ASSUMES NO RESPONSIBILITY FOR CONDITIONS RESULTING FROM ITS USE.

**TRANSPORT OF DANGEROUS GOODS DATA**

<b>SHIPPING NAME:</b>	> 0R = 450 L, FLAMMABLE LIQUID, N.O.S.* (ISOBUTANOL)		
	< 450 L, NON REGULATED		
<b>CLASSIFICATION:</b>	3	<b>P.I.N.:</b>	UN1993
<b>PACKING GROUP:</b>	III		

**PREPARATION DATA**

<b>PREPARATION DATE:</b>	12/15/2006	<b>PREPARED BY:</b>	Wayne Eastveld
<b>DEPARTMENT:</b>	Laboratory		
<b>PHONE NUMBER:</b>	(204) 233-3461		