

InterProvincial Cooperative Limited

Material Safety Data Sheet

Product: **Ag Surf**

IDENTIFICATION & DESCRIPTION

PCP Act Reg. #: 15881
WHMIS STATUS: Controlled
WHMIS CLASS (ES): B3, D2B
PHYSICAL STATE: Liquid
APPEARANCE & ODOUR: Clear viscous liquid, slight odour
USES: Adjuvant
SUPPLIER: INTERPROVINCIAL COOPERATIVE LTD.
ADDRESS: 945 Marion St.
Winnipeg, Manitoba
R2J 0K7
EMERGENCY PHONE NO: (613) 996-6666 (Canutec)

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

Ag Surf

LD50-ORAL:	2460 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

Alkyl phenol-ethoxylate

C.A.S. #:	68412-54-4	% (W/W):	92
LD50-ORAL:	Not Established	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

Isobutanol

C.A.S. #:	78-83-1	% (W/W):	8
LD50-ORAL:	Not Established	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	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 flask back along vapour trail
EXTINGUISHING MEDIA: CO2, water fog or foam.
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

InterProvincial Cooperative Limited

Material Safety Data Sheet

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.

InterProvincial Cooperative Limited

Material Safety Data Sheet

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.

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, IPCO CANNOT GUARANTEE ITS ACCURACY AND ASSUMES NO RESPONSIBILITY FOR CONDITIONS RESULTING FROM ITS USE.

TRANSPORT OF DANGEROUS GOODS DATA

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

PREPARATION DATA

PREPARATION DATE:	9/01/2009	PREPARED BY:	Wayne Eastveld
DEPARTMENT:	Laboratory		
PHONE NUMBER:	(204) 233-3461		