



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 3161

PRODUCT NAME: SECURE SEAL

USE: Phosphatizing Sealer

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B E

CHEMICAL FAMILY: mineral acid

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Phosphoric acid	10-30	007664-38-2	LD50 1530 mg/kg	oral/rat
Ammonium dimolybdate	1-5	027546-07-2	LD50 3843 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber or Neoprene

Eye: Safety goggles

Footwear: As required

Respiratory: If mists are generated, use NIOSH approved mask

Other: Rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist or spray.

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Alkaline and chlorinated materials

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Neutralize with sodium bicarbonate, sodium carbonate or lime. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1805

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear blue liquid, mild odour

S.G. / BULK DENSITY(g/cc): 1.24

pH: (concentrate): < 1

VAPOUR PRESSURE (mmHg): 17.5 @ 20°C

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not applicable

BOILING POINT: approx. 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 74%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.

INHALATION: Breathing mist or spray may cause respiratory irritation.

LD50 (calculated): 6450 mg/kg

LC50 (calculated): not applicable

OTHER TOXIC EFFECTS: TLV: Phosphoric acid TWA 1 mg/m3, STEL 3 mg/m3; Ammonium dimolybdate TWA 5 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: None known.	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not available	AUTO IGNITION TEMPERATURE, °C: N/Av
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Alkaline and chlorinated materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with alkali will generate heat. Contact with chlorinated materials will release chlorine gas.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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