



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: N0462

PRODUCT NAME: SECURE 2201

USE: Iron Phosphatizer

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B

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	1-5	007664-38-2	LD50 1530 mg/kg	oral/rat
Polyethoxylated alcohol	1-5	Proprietary	LD50 2330 mg/kg	oral/rat
Linear alcohol ethoxylate	3-7	068439-46-3	LD50 1400 mg/kg	oral/rat
Toluene sulphonic acid	3-7	000104-15-4	LD50 2480 mg/kg	oral/rat
Nitrobenzenesulfonic acid sodium salt	1-5	000127-64-4	LD50 11000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Neoprene or nitrile

Eye: Safety goggles

Footwear: Not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: Rubber apron as required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Alkalis, chlorinated compounds and oxidizing agents.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. 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. Avoid freezing.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Straw coloured liquid

S.G. / BULK DENSITY(g/cc): 1.13

pH: (concentrated): 2.6

VAPOUR PRESSURE (mmHg): 17.5 @ 20°C

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not applicable

BOILING POINT: ~100°C

FREEZING POINT: <10°C

PERCENT VOLATILE: 63%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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

SKIN: May cause severe irritation.

INGESTION: 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): 8986 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: TLV: Phosphoric acid TWA 1 mg/m³; STEL 3 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. Contact a physician.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

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 carbon, nitrogen and sulfur.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: Excessive heat

INCOMPATIBILITY (Material to Avoid) : Alkalis, chlorinated materials and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with chlorinated materials will release chlorine gas. Contact with alkali will generate heat.

REACTIVITY: not dangerously reactive.

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARED BY: JohnsonDiversey Canada. Inc.
Regulatory Department
Industrial Division
Phone (905) 829-1200

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