JohnsonDiversey

MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 1405

PRODUCT NAME: LSP 212

USE: Laundry Alkali

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: E
CHEMICAL FAMILY: alkali

TRADE NAME / SYNONYMS: not applicable
CHEMICAL NAME: Sodium Metasilicate Anhydrous

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium metasilicate	60-100	006834-92-0	LD50 1153 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber **Eye:** safety glasses **Footwear:** not required

Respiratory: NIOSH-approved dust mask as required **Other:** not required

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

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): acids, aluminum, tin, zinc

SPILL PROCEDURES: Sweep or scoop up material for disposal.

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

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1759

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White granular powder

S.G. / BULK DENSITY(g/cc): 1.26 tamped
pH: 1% (solution) 12.5 ± 0.5

VAPOUR PRESSURE (mmHg): not applicable
VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable
BOILING POINT: not applicable

FREEZING POINT: not applicable
PERCENT VOLATILE: not applicable

SOLUBILITY IN WATER: soluble
EVAPORATION RATE (water=1): not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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

SKIN: May cause severe irritation.

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

INHALATION: Breathing dust may cause respiratory irritation.

LD50 (calculated): 1153 mg/kg
LC50 (calculated): not applicable

OTHER TOXIC EFFECTS: TLV (sodium metasilicate) 2 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. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE,°C: N/Ap

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other [ ]

SPECIAL FIRE FIGHTING PROCEDURES: Alkaline solutions formed with water.

HAZARDOUS COMBUSTION PRODUCTS: not applicable.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable [ ]

CONDITIONS TO AVOID: High humidity.

INCOMPATIBILITY (Material to Avoid) : acids, aluminum, tin, zinc

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with aluminium and zinc generates hydrogen gas. Heat released on contact with acids.

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: MSDS

PREPARATION DATE: April 15, 2003

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