



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 1497

PRODUCT NAME: **LEVER PRO SOUR**

USE: Laundry Sour/Brightener

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D1A E

CHEMICAL FAMILY: Fluosilicate

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium silicofluoride	60-100	016893-85-9	LD50 125 mg/kg LC50 33mg/m3/6	oral/rat inhal/rat
Amorphous silicon dioxide	0.5- 1.5	063131-67-4	LD50 4500 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber, neoprene or nitrile

Eye: safety glasses

Footwear: not applicable

Respiratory: NIOSH-approved dust mask as required

Other: not applicable

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

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Acids, alkalis, chlorinated compounds, and soft metals.

SPILL PROCEDURES: Wear protective clothing. Sweep or scoop up material for disposal.

WASTE DISPOSAL: Dispose according to Municipal, Provincial and Federal Regulations.

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

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Light blue free-flowing powder

S.G. / BULK DENSITY(g/cc): 1.2

pH: 3.4 ± 0.5 1% solution

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

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

INGESTION: Harmful if swallowed. May be fatal. May cause severe irritation of the digestive tract.

INHALATION: May cause pulmonary irritation and death.

LD50 (calculated): 127 mg/kg

LC50 (calculated): 33mg/m3/6hrs

OTHER TOXIC EFFECTS: TLV (sodium silicofluoride) 2.5 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Repeated and prolonged contact with skin may cause skin rash.	
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:	Do not induce vomiting. Contact a physician immediately. If conscious give immediately, by mouth, large amounts of a fine suspension in water of a non-toxic calcium compound such as calcium lactate . If these are not readily available, give large amounts of water.
INHALATION:	Remove patient to fresh air. Contact a physician immediately.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: not applicable.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: high humidity and heat	
INCOMPATIBILITY (Material to Avoid) : Acids, alkalis, chlorinated compounds, halides, reducing agents and soft metals.	
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen fluoride, Silicon Tetrafluoride. Chlorine gas released on contact with chlorinated compounds. Hydrogen gas generated on contact with soft metals.	
REACTIVITY: not applicable	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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