



## 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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