



MATERIAL SAFETY DATA SHEET



I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 2328		
PRODUCT NAME: LEVER BLEACH				
USE: Laundry Bleach				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada		EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: C D2B E CHEMICAL FAMILY: Surfactant/oxidizer		TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium carbonate	15-40	000497-19-8	LD50 4090 mg/kg	oral/rat
Sodium perborate monohydrate	10-30	010332-33-9	LD50 2000 mg/kg	oral/rat
Sodium nitrilotriacetate	5-10	005064-31-3	LD50 1100 mg/kg	oral/rat
Sodium dodecylbenzene	5-10	025155-30-0	LD50 2320 mg/kg	oral/rat
Sodium silicate	5-10	001344-09-8	LD50 3300 mg/kg	oral/rat
Alcohol c12-c15, ethoxylated	1-5	068131-39-5	LD50 3200 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: Nitrile, Neoprene or Natural Rubber		Eye: safety glasses		Footwear: not required
Respiratory: NIOSH approved dust mask as required.		Other: not applicable		
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.				
VENTILATION REQUIREMENTS: general ventilation				
INCOMPATIBILITY (Material to Avoid): Acids, reducing agents, heavy metal salts and combustible material.				
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.				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Free-flowing, white, granular powder; perfumed				
S.G. / BULK DENSITY(g/cc): 0.40 ± 0.05		pH: 10.0 ± 0.5		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1):		
ODOUR THRESHOLD: not available		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.				
SKIN: Repeated or prolonged contact may result in irritation.				
INGESTION: May cause severe irritation of the digestive tract. If ingested in large amounts may cause cramps, vomiting and diarrhea				

INHALATION: May cause irritation.	
LD50 (calculated): not available	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV (Sodium perborate monohydrate) 10 mg/m ³	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	This product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of these toxic effects. By ACGIH guidelines, NTA would not be considered any occupational (human) carcinogen of any practical significance.
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 applicable	AUTO IGNITION TEMPERATURE, °C: not appl.
EXTINGUISHING MEDIA: Water <input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> Carbon Dioxide <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Other []	
SPECIAL FIRE FIGHTING PROCEDURES: not required	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable <input checked="" type="checkbox"/> Unstable []	
CONDITIONS TO AVOID: none known	
INCOMPATIBILITY (Material to Avoid): Acids, reducing agents, heavy metal salts and combustible material.	
HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen and heat.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 629-1200
PREPARATION DATE: April 15, 2003	
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