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بي اي او لتجارة المنظفات والمطهرات ش.ذ.م.م.
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MATERIAL SAFETY DATA SHEET

Laundry Liquid Bleach – 03LLB

Identification of The Substance/Preparation and Of the Company

Substance identification	:	Laundry Liquid Bleach
Tradename	:	Superwhite
Generic description	:	Liquid bleach containing Sodium Hypochlorite
CAS number	:	Not Applicable (Intentional Mixture)
Main Component CAS #	:	7681 -52 - 9

Composition/Information on Ingredients:

Hazardous component(s)	:	Sodium Hypochlorite

Hazards Identification:

Mainhazards	:	Hazardous – Corrosive

Health Hazard Data:

Ingestion	:	Highly toxic if ingested
Inhalation	:	Toxic by inhalation
Skin contact	:	Strong irritation, will damage skin
Eyecontact	:	Willcause severe damageto eyes

First Aid Measures:

Inhalation	:	Seek medical attention immediately
Skin contact	:	Flush with waterandseekmedical attention immediately
Eyecontact	:	Flush with water. Seek medical attention if Irritation persists.
Ingestion	:	Diluteingestedmaterialwith plentyof water.Donotinduce vomiting. Seek medical attention immediately

Fire - Fighting Measures:

Auto ignition temperature	:	Notdetermined
Flammability	:	Non-flammable
Suitable extinguishing	:	Use carbon dioxide or suitable Dry chemical media

Accidental release measures

Spillage	:	Absorb large spillages onto sand or any absorbent material and dispose of in accordance with Local Authority Regulations. Small spillages may be rinsed away

Handling and storage

Handling	:	See section - **Personal Protection Equipment**
Storage	:	Storage at ambient temperature in well ventilated covered areas. Keep away from heat and direct sunlight

Personal Protection Equipment:

Respiratory protection	:	Avoid prolonged inhalation, use proper breathing in case of prolonged contact
Skin	:	Use plastic or rubber apron and appropriate gloves and rubber boots while handling. Clothing splashed with material must be removed instantly. Also cover the head with appropriate protection
Eyes	:	It is good practice to use eye protection, when handling any bulk chemical

Physical & Chemical Properties:

Physical state at 20oC	:	Clear Liquid
Color	:	Pale Yellow
Odor	:	characteristic
Solubility in H20 (% weight)	:	Soluble in all proportions
pH value	:	12.0 $\pm$ 0.5
Density (g/cc) @ 20oC	:	1.27 $\pm$ 0.01

Stability and Reactivity:

Decomposition	:	When water completely evaporates, the residue can burn producing carbon dioxide and traces of carbon monoxide
Stability and reactivity	:	Avoid alkaline and high temperature
Incompatible materials	:	Bleaching agents, strong alkalis

Toxicological Information:

Likely Route of Exposure [x] Inhalation [x] Skin contact [x] Ingestion
Health Effects from Likely Route of Exposure

Acute

Ingestion	:	Low ingestion hazard in normal use. Consideration an unlikely route of entry in commercial/ industrial environments. Low toxicity. Large doses may result in nausea, vomiting and gastrointestinal irritation.
Eye	:	Irritant. Direct contact may produce irritation to the eye causing lacrimation, inflammation, pain and redness Repeated or prolonged exposure to irritants may produce corneal damage or conjunctivitis
Skin	:	No significant irritation expected from a single short-term exposure itching, redness and rash may occur in susceptible individuals. The material may accentuate pre-existing skin conditions.
Inhalation	:	Considered an unlikely route of entry in commercial/ industrial environments. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapour is pulmonary irritation, including coughing with nausea, central nervous system depression characterized by headache and dizziness, increased reaction time, fatigue and loss of co-ordination.

Chronic

Ingestion	:	Repeated ingestion or swallowing large amounts may injure internally.
Skin	:	The material may cause skin irritation after prolonged or repeated exposure in susceptible individuals and may produce a contact dermatitis (non - allergic) . This form of dermatitis is often characterized by skin redness and swelling epidermis.
Inhalation	:	No known applicable information misuse by concentrating /inhaling contents may be injurious to health or lethal
Other information	:	No known applicable information

Ecological Information

Ecotoxicity	:	Contains component which is toxic to aquatic organisms, may cause long term adverse effects in aquatic environment
Bioaccumulation	:	No bioaccumulation potential.
Environmental Fate and Distribution	:	Inherently degradable, slow degradation resultant of limited bio availability, the material degrades rapidly when dissolved in water
Fate and Effects in Waste Water Treatment Plant	:	No adverse effects on bacteria are predicted

Disposal Considerations

Disposal Method

Single unit	:	Empty container (keep separate from other wastes). Rinse container, remove or obliterate labelling before sending to landfill or recycle.
Large amounts	:	Reclaim or dispose of in accordance with local state and federal regulations. Product contains environmentally hazardous component
Special Precaution for Landfill or incineration	:	None Known

Transportation Information:

UN Number	:	UN1791
UN Proper Shipping Name	:	Hypochlorite Solution
Transport Hazard classes	:	8 Corrosive
Packing Group	:	III
EMS No	:	F – A, S - B
Marine Pollutant	:	Product is a marine pollutant according to the criteria set by IMDG/IMO
Description	:	UN 1791, Hypochlorite Solution, 8, III, Marine Pollutant

Regulatory Information

Poisonous Schedule (SUSMP)		
S5	:	Caution
Hazardous statements		
H314	:	Causes severe burns and eye damages.
H400	:	Very toxic to aquatic life.
S36/37/39	:	Wear suitable protective clothing, gloves and eye/face protection