



better products
cleaner environment

just BLEACH **Chlorinated Sanitizer Cleaner**

Product Description

just BLEACH is a liquid disinfectant sanitizer cleaner containing up to 14% free available chlorine for use in routine cleaning of hard surfaces suitable for hospitals, institutional works, schools, households and many other areas to effectively eliminate germs, bacteria and most viruses giving a highly hygienic contamination free environment.

just BLEACH can also be used for fast removal of mold, algae and mildew to give a safer and more pleasant surroundings. Also suitable for use in laundry as a bleach for the removal of bleachable stains such as coffee, tea, wine, dyes etc.

Properties

- Broad spectrum efficacy against germs, bacteria and most viruses.
- Thorough disinfection of surfaces by removing harmful microorganisms that may cause diseases.
- Stable available chlorine for usage.

Directions for use

Dilution 1 part to 3 parts with water:

- Disinfectant for household, hospitals, institutional cleaning and mopping.
- Mold, algae and mildew removers.
- Laundering clothes.

Dilution 5 parts with water:

- Sanitize utensils and equipment used in the food industry, rinse well with water thereafter to remove chlorine residues and allow surface to dry completely before contact with food items.


Precaution

As with all chemical products, ingestion and eye contact is to be avoided. When handling product, normal work clothing covering arms and legs shall be worn. Avoid using it to clean urine spills and metal surfaces.

Storage

Store in a cool area and avoid direct sunlight. Containers of unused product must be kept close at all times. Keep away from ammonia, ammonia-based products or based products.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: <i>just</i> BLEACH		Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist		
Other means of identification: Chlorinated Sanitizer Cleaner		Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249		
Date of SDS: 1 January 2022 Recommended use and restriction on use: <i>just</i> BLEACH is a liquid disinfectant sanitizer cleaner containing up to 14% free available chlorine for use in cleaning hard surfaces to effectively eliminate germs, bacteria and most viruses giving a highly hygienic contamination free environment suitable for hospitals, institutional works, schools and households.				
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification: Acute toxicity: Category 3; Skin irritation: Category 1, Eye irritation: Category 1				
GHS label elements: Pictogram:		Signal Words: Danger		
 				
Hazard statements: H272: May intensify fire; oxidizer H301: Toxic if swallowed H314: Causes skin burns & eye damage				
Precaution statements: P102: Keep out of reach of children. P262: Do not get on skin. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.				
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Sodium Hypochlorite	< 14.0 %	NaOCl	7681-52-9	231-668-3
Water	> 85.0 %	H ₂ O	7732-18-5	231-791-2
SECTION 4 – FIRST AID MEASURES				
Inhalation:	Move to area of fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered if available. Call a physician. Never give anything by mouth to an unconscious person.			
Skin contact:	Wash with large amounts of soap and water. If irritation persists, consult a physician.			
Eye contact:	Flush with cool water for at least 15 minutes. Then consult a physician immediately.			
Ingestion:	Do not induce vomiting. Dilute by drinking water. See a physician immediately.			
Notes to Physicians:	Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.			
SECTION 5 – FIRE-FIGHTING MEASURES				
Suitable fire-extinguishing media:	Water, sand and foam.			
Specific hazards arising from the chemical:	Burning can produce carbon dioxide and/or carbon monoxide.			
Special protective actions for fire fighters:	Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.			
Unusual Fire/Explosion Hazards:	Fire risk if in contact with organic materials (e.g. fuel).			
SECTION 6 - ACCIDENTAL RELEASE MEASURE				
Personal precautions, protective equipment, and emergency measure: Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).				
Environmental precautions: Chemical substance should not be released into the environment (water, soil).				
Methods and materials for containment and cleaning up: Stop spill at source. Prevent run off. Mop, shovel, pump and/or absorb with inert material and place in sound containers. Rinse remaining residue with excess water. Dispose off in an approved waste facility according to local regulation.				
SECTION 7 - HANDLING AND STORAGE				
Precaution for safe handling: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.				
Conditions for safe storage, including any incompatibilities: Keep container closed to prevent contamination. Store in a cool and dry area, away from sunlight. Keep out of reach of children. No special storage/handling requirements if product is handled according to good manufacturing practices. Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.				

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Control parameters/ Occupational exposure limits:	ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
Appropriate engineering control measures:	Normal ventilation is sufficient.
Personal Protection:	
Use the protective equipment such as rubber/ PVC gloves, safety glasses / goggles and normal work clothing covering arms and legs.	
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear pale yellow liquid
Solubility in water:	Complete.
Boiling Point:	~ 100 deg C
Specific Gravity:	1.180 +/- 0.02 g/cm3
PH	11.5 +/- 1.0
Flash Point (T.C.C.):	None Flammable Limits - Upper: None Lower: None
Vapour Pressure:	None
Vapour Density:	None
SECTION 10 - STABILITY AND REACTIVITY	
Reactivity/ In compatible materials:	Reducing agents, organic and inorganic materials, acids
Chemical stability:	Stable under normal temperature and pressure.
Possibility of hazardous reaction:	Will not occur.
Condition to avoid:	Not applicable.
SECTION 11 – TOXICOLOGICAL INFORMATION	
LC ₅₀ (oral rat) – 8200 mg/kg Eye irritation test (rabbit) – burns Skin irritation test (rabbit) - burns	
SECTION 12 – ECOLOGICAL INFORMATION	
Ecotoxicity: Harmful effect on aquatic organisms due to pH shift. Fish toxicity: Onchorhynchus mykiss LC ₅₀ : 0.07 mg/l / 48 hr (calculated on pure substance) Daphnia toxicity: Daphnia magna EC ₅₀ : 0.07 – 0.7 mg/l / 24 hr (calculated on pure substance) Bacterial toxicity: Photobacterium phosphoreum EC ₅₀ : 100 mg/l / 15 min (calculated on pure substance)	
SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal method: Dispose off in an approved waste facility according to local regulations. It is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) Re-cycle or rework, if feasible (2) Incinerate at an authorized facility (3) Treat at an acceptable waste treatment facility.	
SECTION 14 – TRANSPORT INFORMATION	
Hazard class 8 / UN No. 1791 / UN packaging group III HS Code: 28289010	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product is classified as oxidizing agent under EC Classification.
Risk phrases:	R25 Toxic if swallowed R34 Causes burns
Safety phrases:	S02 Keep out of reach of children S24 Avoid contact with skin S36/37 Wear suitable protective clothing and gloves
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH:	3
FLAMMABILITY:	0
REACTIVITY:	2
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme	

NOTICE: SDS is correct at date of publication. It is not necessarily fully adequate for every circumstance, nor to be confused with or followed in violation of applicable laws or insurance requirements. Health hazards and effects of over-exposure apply only to negligent handling or misuse of product in its concentrated form (as supplied); and not routine exposure to diluted product under normal use. No warranty, express or implied, of merchantability, fitness or accuracy of data is made; as such the vendor assumes no responsibility for injury or damages resulting from use of this product.