

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

**Alcavis 1:50 Dilution Bleach-Wipe**

**SECTION I**

MANUFACTURER'S NAME	Infection Control Ventures	EMERGENCY PHONE NUMBER	(773) 804 -1990
ADDRESS (Number, Street, City, State and Zip Code) 1900 North Austin Ave, Chicago, IL 60639			
CHEMICAL NAME AND SYNONYMS Sodium hypochlorite, Bleach, Dakins Solution		TRADE NAME AND SYNONYMS Bleach (Chlorine)	
CHEMICAL FAMILY Sodium hypochlorite (Bleach)		FORMULA NaOCl	

**SECTION II - HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALIC COATINGS	%	TLV (Units)
PIGMENTS		None	BASE METAL Not Applicable		N/A
CATALYST	SOLUTION CONCENTRATE CAN BE STATED IN TERMS OF "AVAILABLE CHLORINE" WHICH IS APPROXIMATELY 95% OF NaOCl CONTENT BY WEIGHT.	None	ALLOYS		N/A
VEHICLE		None	METALIC COATINGS		N/A
SOLVENTS		None	FILLER METAL PLUS COATING OR CORE FLUX		N/A
ADDITIVES			OTHERS		
OTHERS					

**HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES**

	%	TLV (Units)
Incompatible with acids, ammonium chlorides, urea, sunlight accelerates	-----	-----
decomposition. I.C.V.'s gas impermeable packets reduces/eliminates the effect	-----	-----
of sunlight. I.C.V.'s 5.25% NaOCl is diluted with distilled water.	-----	-----

**SECTION III - PHYSICAL DATA**

BOILING POINT Decomposes	-----	SPECIFIC GRAVITY (H 0-1) 5.25% 1.025 GM/ML
VAPOR PRESSURE (mm Hg.)	17.5	PERCENT, VOLATILE BY VOLUME (%) 89%
VAPOR DENSITY (AIR 1)	74.4	EVAPORATION RATE (-----1) 1 ML/2 sec.
SOLUBILITY IN WATER	100%	

APPEARANCE AND ODOR  
Clear - Pale yellow Chlorine Odor

**SECTION IV - FIRE AND EXPOSITION HAZARD DATA**

FLASH POINT (Method used) Non-flammable	FLAMMABLE LIMITS -----
EXTINGUISHING MEDIA Use water spray to cool fire to dilute and control vapors if packet is externally ignited.	
SPECIAL FIRE FIGHTING PRECEDURES Firefighters should wear full and protective clothing and respirator.	
USUAL FIRE AND EXPOSITION HAZARDS N/A	

## SECTION V – HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:**

Respiratory, oral if ingested, skin

**EFFECTS OF OVEREXPOSURE**

Anaphylactic-like symptoms, esophageal, stomach and laryngeal edema, nausea, vomiting.

extreme exposure, circulatory collapse, pulmonary edema.

**EMERGENCY AND FIRST AID PROCEDURES**

Ocular: irrigated eye(s) with water for 10-15 minutes, skin:

flush/rinse affected area thoroughly with water. Inhalation: Remove to fresh air.

Ingestion: Rinse mouth with water. Give large quantities of milk. In all cases call physician immediately.

## SECTION VI – REACTIVITY DATA

<b>STABILITY</b>	STABLE		<b>CONDITIONS TO AVOID</b> Liberation of chlorine
	UNSTABLE	X	

**INCOMPATIBILITY (Materials to avoid)**  
Chemicals: Quaternary ammonium chloride

**HAZARDOUS DECOMPOSITION PRODUCTS**  
None known

<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR		<b>CONDITIONS TO AVOID</b> _____
	WILL NOT OCCUR	X	_____

## SECTION VII – SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
Spills can be flushed to a suitable holding area and then flush with water to high dilution sewer.

**WASTE DISPOSAL METHOD**  
When necessary, hypochlorite can be neutralized with buffer compounds or other reducing agents.

## SECTION VIII – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (Specify type)**  
In case of mass exposure of 12% or greater, a gas filtered respirator

<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> N/A	<b>SPECIAL</b> N/A
	<b>MECHANICAL (General)</b> N/A	<b>OTHER</b> N/A

<b>PROTECTIVE GLOVES</b> Skin protection recommended.	<b>EYE PROTECTION</b> Avoid ocular contact, eye protection recommended.
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**OTHER PROTECTIVE EQUIPMENT**  
See above

## SECTION IX – SPECIAL PRECAUTIONS

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> Store at room temperature away from incompatible materials.	<b>PREPARERS:</b>
Keep separate from acids and organics.	
<b>OTHER PRECAUTIONS</b> Do not mix with acidic cleaning agents which can release chlorine gas.	
Avoid vapors, fumes, etc.	