TEAM SYSTEMS

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Value 10% Liquid Oxygen Bleach

PRODUCT CODE	SEA17160

ISSUE DATE	05-24-1996
SUPERCEDES	

MANUFACTURER Team Systems
STREET ADDRESS 6325 Hurst Street
CITY, STATE ZIP Houston, Texas 77008
PHONE (713) 868-1461

EMERGENCY TELEPHONE NUMBER
1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	EXPOSURE LIMITS OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Hydrogen Peroxide	7722-84-1	1 ppm	1 ppm	None	N/A

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	

POTENTIAL HEALTH EFFECTS	
INGESTION	May cause rapid evolution of gas and thus distention of esophagus or stomach, also irritation and burns.
INHALATION	Irritation.
EYE CONTACT	Irritation and burns.
SKIN CONTACT	Irritation and mild burns.

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large quantities of water to dilute. Get immediate medical attention.
INHALATION	Remove to fresh air. If irritation or burning occurs, see a physician.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Remove contaminated clothing. Flush skin with water. Wash clothing and shoes as soon as possible to reduce risk of fire. If irritation persists, see a physician.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None	FLAMMABLE LIMITS	Not applicable.
% VOLATILE	NA		
EXTINGUISHING MEDIA	Dry chemical, water mist, alcohol foam.		
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		
FIRE AND EXPLOSION HAZARDS	Oxidizer; evaporation may cause fire.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Stop leak. Dilute spilled material with a large amount of water.

SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool, dry place. Store away from incompatible materials. Do no store in a dirty area or on wooden pallets.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.

	RESPIRATOR	Not necessary.
X	**GOGGLES / FACE SHIELD**	Required; chemical splash goggles.
	APRON	Not necessary.
X	**GLOVES**	Required; chemical resistant type.
X	**BOOTS**	Required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid.	BOILING POINT	>212° F
ODOR	None	VAPOR PRESSURE	NA
	NA	VAPOR DENSITY	NA
	1.040	EVAPORATION RATE (butyl acetate=1)	<1
SOLUBILITY IN WATER	Complete		

SECTION 10 – STABILITY AND REACTIVITY

						UNSTABLE	X
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.						
INCOMPATIBILITY	Heavy metals or their salt, cyandies, chromium compounds, potassium permanganate, rust dirt, dust, iron, organic materials.						
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxygen.						
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR		
CONDITIONS TO AVOID	Heat.						

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENCITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z

OTHER EFFECTS

ACUTE	Ingestion may cause rapid evolution of gas and thus distention of esophagus or stomach. Causes irritation and burns to eyes and skin.
CHRONIC	None known.
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Flush diluted material to sewer.

SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary), 5.1, UN2984, PG III.					
SEATEX HM CODE	270					

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

1	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
1	YELLOW	REACITIVITY
Ox	WHITE	SPECIAL HAZARD

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