

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **LIQUID OXYGEN CONTROL** ID NUMBER: 8180 PRODUCT USE/CLASS: LIQUID OXIDIZER  
MANUFACTURER: CHEMICAL UNIVERSE, INC. 1133 SALINE ST. N.KANSAS CITY, MO 64116 EMERGENCY TELEPHONE: 816-820-0332  
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## SECTION II - HAZARDOUS COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT.PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
HYDROGEN PEROXIDE	7722-84-1	35 %	1.4 MG/M3	NO INFO		NO

(See Section 11 for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: 212 - 237 F VAPOR DENSITY : Is heavier than air ODOR: NONE SPECIFIC GRAVITY: 1.0305  
APPEARANCE: CLEAR EVAPORATION RATE: Is slower than Ether SOLUBILITY IN H2O : COMPLETE

(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N.A. LOWER EXPLOSIVE LIMIT: N.A. UPPER EXPLOSIVE LIMIT: N.A.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS PRODUCT NONCOMBUSTIBLE. IT MAY DECOMPOSE RELEASING OXYGEN, INTENSIFYING THE FIRE. A STRONG OXIDIZER, IT MAY INITIATE COMBUSTION OF ORGANIC MATERIALS OR EXPLOSION OF FLAMMABLE LIQUIDS.

SPECIAL FIREFIGHTING PROCEDURES: COOL CONTAINERS IN VICINITY TO PREVENT OVERHEATING. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: DESTRUCTIVE. MAY IRRITATE OR BURN, BURNS COULD CAUSE BLINDNESS.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE SEVERE BURNS. PROLONGED EXPOSURE MAY LEAD TO SKIN ULCERATION AND ULTIMATE SCARRING. DESTRUCTIVE. OVEREXPOSURE MAY PRODUCE BURNS. MAY IRRITATE SENSITIVE SKIN.

EFFECTS OF OVEREXPOSURE - INHALATION: EXCESSIVE INHALATION MAY DAMAGE RESPIRATORY TRACT. POSSIBLE NAUSEA, DIZZINESS, DIFFICULT BREATHING.

EFFECTS OF OVEREXPOSURE - INGESTION: EXTREMELY CORROSIVE. LARGE QUANTITIES COULD CAUSE SEVERE PAIN, NAUSEA, DEATH.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 15-30 MINUTES, LIFTING EYELIDS. GET MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: FLUSH WITH WATER 15 MINUTES. REMOVE CONTAMINATED CLOTHING. LAUNDER BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

FIRST AID - INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION, GET MEDICAL ATTENTION.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER OR MILK. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY: INGESTION EYE CONTACT

(Continued on Page 2)

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## SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: No Information.

CONDITIONS TO AVOID: ACIDS. STRONG ALKALI, OXIDIZING OR REDUCING MATERIALS. SOURCES OF IGNITION.

INCOMPATIBILITY: ACTIVE METALS. ORGANIC MATERIALS

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is not stable under normal storage conditions.

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR APPROPRIATE PROTECTIVE AND RESPIRATORY EQUIPMENT. PREVENT SPILLS FROM ENTERING SEWERS, OR ANY UNAUTHORIZED WATER SYSTEMS. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES SUITABLE FOR MATERIALS IN SECTION II RECOMMENDED. APPROVED CHEMICAL/MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGHI'S TLV LIMIT.

SKIN PROTECTION: HEAVY RUBBER GLOVES NEEDED.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: PREVENT PROLONGED CONTACT. WEAR BOOTS AND IMPERVIOUS CLOTHING IF NECESSARY. EYE WASH, SAFETY SHOWER AVAILABLE.

HYGENIC PRACTICES: WASH AFTER EACH USE.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL DRY AREA KEEP AWAY FROM SPARKS AND OPEN FLAMES.

OTHER PRECAUTIONS: OBEY ALL HAZARD WARNINGS WHEN CONTAINERS ARE EMPTIED.

## SECTION X - HMIS RATINGS

HMIS RATINGS HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 2

## SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT %  
No SARA Section 313 components exist in this product.

PREVIOUS MSDS REVISION DATE: 12/15/01

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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