

MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable)

N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: BIO-OXY Citrus Concentrate

GENERIC NAME: All-Purpose Cleaner
CHEMICAL FAMILY: N/E

PROPER SHIPPING NAME: Not regulated

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH _____ 2
FLAMMABILITY _____ 0
REACTIVITY _____ 0
PERSONAL PROTECTION _____ X

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	TLV	% WT (OPT)
Hydrogen Peroxide	7722-84-1	1ppm	<15%
Orange Terpenes	68647-72-3	N/E	<10%
Nonionic Alkoxyate	9016-45-9	N/E	<10%

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION: Opaque viscous liquid
BOILING RANGE (°F): >20°F
VAPOR PRESSURE: N/E
% VOLATILE: <10%
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.01
EVAPORATION RATE: N/E
pH: 3.0 ± .5

SECTION IV - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None normally required
PROTECTIVE GLOVES: None
EYE PROTECTION: None
VENTILATION: Room ventilation is generally adequate
OTHER PROTECTIVE EQUIPMENT: Eyewash and shower for emergency use should be located in the working area.

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (Materials to Avoid): Avoid contact with oxidizers and acidic material

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non flammable
UPPER EXPLOSIVE LIMIT: N/A LOWER EXPLOSIVE LIMIT: N/A
EXTINGUISHING MEDIA: Use the appropriate extinguishing media for the surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and full protective clothing should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION VIII - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)
SKIN: Irritant
EYES: Irritant
INHALATION: Irritant to nose, nausea
CARCINOGENS: None suspected
NTP: OSHA:
IARC: ACGIH:
OTHER:

SECTION VII - FIRST AID

EYES: Flush with large amounts of water for 15 minutes while holding eyelids apart. Seek immediate medical attention if irritation persists.

SKIN: Wash with plenty of soap and water. Wash contaminated clothing before wearing. Get medical attention if irritation develops or persists.

INGESTION: Give milk or water to dilute. DO NOT INDUCE VOMITING. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

SECTION IX - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use common sense and sound industrial hygiene practices when handling this material as well as any other materials. Keep containers closed when not in use. Wash hands after handling. Wear appropriate protection equipment to prevent eye and skin contact. Keep out of reach of children.

SECTION X - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear necessary personal protective equipment. Evacuate all unnecessary personnel. Dike area to prevent spreading of the spilled material. Cover with an inert absorbent (sand, clay, etc.), shovel into appropriate containers and dispose of in accordance with federal, state, and local regulations.

EMPTY CONTAINERS DISPOSAL: Any disposal practices must be in compliance with federal state, and local regulations. Any question concerning disposal should be directed to the proper government agency.

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