I. PRODUCT IDENTIFICATION

PRODUCT NAME: Dissolved Oxygen 2
CAS NO.: NA
FORMULA: Not applicable

II. INGREDIENTS

Lithium Hydroxide, Monohydrate
PCT: < 0.5
CAS NO.: 1310-64-3
SARA: NOT LISTED
TLV: Not established
PEL: Not established
HAZARD: Very toxic; corrosive

Potassium Iodide
PCT: < 0.5
CAS NO.: 7681-11-4
SARA: NOT LISTED
TLV: Not established
PEL: Not established
HAZARD: May cause irritation

Sodium Azide
PCT: < 0.5
CAS NO.: 2462-22-6
SARA: NOT LISTED
TLV: C: 0.1 ppm
PEL: C: 0.3 ppm
HAZARD: Extremely toxic; severe explosion hazard

III. PHYSICAL DATA

STATE: solid
APPEARANCE: white crystals
COLOR: NA
ODOR: None
SOLUBILITY IN WATER: Soluble
ACID: Not determined
OTHER: Not determined
BOILING POINT: NA
HEATING POINT: 110°C
SPEC GRAVITY: 1.94
MOL wt: 5 x 10^2
VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Air = 1
EVAPORATION RATE: NA
METAL COMBUSTIVITY: ALUMINUM: 9.248 in/yr
STEEL: Not determined
STABILITY: See Conditions to Avoid
STORAGE PRECAUTIONS: Store in a cool, dry place.

IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: Not applicable
METHOD: NA
FLAMMABILITY LIMITS: LOWER: NA
UPPER: NA
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SMOKE SENSITIVITY: Not determined
AUTOIGNITION PT.: Not determined
EXTINGUISHING MEDIA: water, carbon dioxide, or dry chemical
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of iodine in fire:
irritating fumes in contact with acids
OXIDIZER: No
NFPA Codes: Health: 3 Flammability: 1 Reactivity: 1
CONDITIONS TO AVOID: Extreme temperatures; contact with moisture, acids or oxidizers.

V. HEALTH HAZARD DATA

THIS PRODUCT MAY BE: corrosive to eyes, skin and respiratory tract.
ACUTE TOXICITY: oral rat LD50 > 350mg/Kg = Very toxic
ROUTES OF EXPOSURE: ingestion, inhalation, skin absorption
TARGET ORGANS: central nervous system, liver, kidneys, salivary glands
CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: An ingredient of this mixture is a potential carcinogen.

OVEREXPOSURE: Causes severe burns, dizziness, nausea, central nervous system depression, coma, death. Chronic iodide overdose may cause skin rash, runny nose, headaches, fever and irritation of mucous membranes.
MEDICAL CONDITIONS AGRGAVATED BY EXPOSURE: Chronic respiratory diseases, especially those obstructing the airway; skin disorders; eye conditions.
May lower high blood pressure.

VI. PRECAUTIONARY MEASURES

Avoid contact with eyes and skin.
Do not breathe dust.
Wash thoroughly after handling.

PROTECTIVE EQUIPMENT: face hood, lab grade goggles, disposable latex gloves, lab coat.