

AquaLysis Solution

MATERIAL SAFETY DATA SHEET

TRADE NAME: AquaLysis Solution

DATE OF ISSUE: May 23, 2007

SECTION I: PRODUCT AND MANUFACTURER INFORMATION

TRADE NAME: AquaLysis Solution

MultiTarget Pharmaceuticals, LLC
825 N 300 W STE 320, Salt Lake City, Utah 84103, USA
Telephone: 1-801-769-6586
Fax: 1-801-323-1110
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SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

SYNONYMS: Lysis Solution, Cell Lysis Solution, Alkaline Cell Lysis Solution.

CHEMICAL CHARACTERIZATION: Aqueous solution of Sodium Hydroxide, Sodium Dodocyl Sulfate.

HAZARDOUS COMPONENT: Sodium Hydroxide, <1%.

MF: NaOH

CAS-NO.: 1310-73-0

RTECS NO.: WB4900000

WARNING: Corrosive

HEALTH HAZARD DATA: Causes burns. Harmful by inhalation, in contact with skin, if swallowed.

TOXICITY DATA: IPR-MUS LD50: 40 MG/KG COREAF 257, 791, 63

IRRITATION DATA: EYE-MKY 1%/24H SEV TXAPA9 6,701,64

SKN-RBT 500MG/24H SEV 28ZPAK-,7,72

EYE-RBT 400UG MLD OYYAA2 26,627,83

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

SECTION III: HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION IV: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating the eyelids with fingers.

IN CASE OF SKIN CONTACT: Immediately wash skin with soap and copious amounts of water.

IF INHALED: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

IF SWALLOWED: Wash out mouth with water provided person is conscious. Call a physician. Remove and wash any contaminated clothing promptly.

SECTION V: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate to surrounding fire conditions.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

SECTION VI: ACCIDENTAL RELEASE MEASURES

PRECAUTIONARY MEASURES: Wear self-contained breathing apparatus, chemical safety goggles, rubber boots, and heavy rubber gloves.

CLEAN-UP PROCEDURES: Absorb on sand or vermiculite and place in closed container for disposal. Ventilate area and wash spill site after material pick-up is complete.

SECTION VII: HANDLING AND STORAGE

STORAGE: Store tightly closed at 20-25 °C.

SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical safety goggles. Rubber gloves. NIOSH/MSHA-Approved respirator. Safety shower and eye bath. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE / FORM: Liquid

COLOR: Colorless

ODOR: None

pH: (20 °C) 11.5-12.5

IGNITION TEMPERATURE: N/A

EXPLOSION LEVEL: N/A

VAPOR PRESSURE: (20 °C) N/A

SPECIFIC GRAVITY: (20 °C) N/A

SOLUBILITY IN WATER: (20 °C) Soluble

SECTION X: STABILITY AND REACTIVITY

SUBSTANCES TO BE AVOIDED: N/A

HAZARDOUS, COMBUSTION, OR DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide and carbon dioxide.

SECTION XI: TOXICOLOGICAL INFORMATION

TOXICITY DATA: N/A

INHALATION: May be harmful by inhalation.

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Causes skin irritation, may be harmful by skin absorption.

INGESTION: May be harmful if swallowed.

PROLONGED EXPOSURE: N/A

CHRONIC EFFECTS: N/A

RTECS NUMBER: N/A

ADDITIONAL INFORMATION: THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. Additional harmful properties cannot be ruled out. The product should be handled with the normal caution accorded chemicals.

SECTION XII: ECOLOGICAL INFORMATION

N/A

SECTION XIII: DISPOSAL CONSIDERATIONS

There are no uniform regulations for the disposal of chemicals or residues. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION XIV: TRANSPORT INFORMATION

N/A

SECTION XV: REGULATORY INFORMATION

LABELING: Xi, irritating, R 36/38.

SECTION XVI: OTHER INFORMATION

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DISCLAIMER: For research use only. The above information is believe to be correct but does not purport to be all inclusive and should be used only as a guide. MultiTarget Pharmaceuticals shall not be held liable for any damages or other consequences resulting from handling or from contact with the above product.