

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Form Zero (Trade Name)

**SYNONYMS:** Formalin Neutralizing Powder

**PRODUCT CODES:** ES86631, ES86632

**MANUFACTURER:** Azer Scientific, Inc.

**ADDRESS:** 701 Hemlock Rd, Morgantown, PA 19543

**CHEMTREC PHONE:** 800-424-9300

**SUPPORT:** 610-524-5810

**FAX:** 610-901-3046

**PRODUCT USE:** Laboratory Reagent

**PREPARED BY:** CB

## SECTION 1 NOTES:

## SECTION 2: HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:** Serious eye damage/irritation Category 1; Acute Toxicity - Oral Category 4



**Signal Word:** Danger!

Hazard Phrases	
H302	Harmful if swallowed.
H318	Causes serious eye damage.

Precautionary Phrases	
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/ eye protection/ face protection.
P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 2 NOTES:

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**INGREDIENT:**                      **CAS NO.**                      **% WT**

The specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (l) of §1910.1200.

## SECTION 3 NOTES:

## SECTION 4: FIRST AID MEASURES

**EYES:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**SKIN:** In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical if irritation develops.

**INGESTION:** Call medical doctor or poison control center immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms worsen.

**SECTION 4 NOTES:**

**SECTION 5: FIRE-FIGHTING MEASURES**

**FLAMMABILITY OF THE PRODUCT:**

**FLASH POINT:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**EXTINGUISHING MEDIA:** Use extinguishing media suitable for surrounding fire.

**NOT SUITABLE:** No Information available

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Products of combustion include: oxides of carbon, sulfur dioxide, hydrogen sulfide, toxic fumes.

**SECTION 5 NOTES:**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:**

**Small spill and leak:** Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unprotected personnel. Vacuum or sweep material and place in a disposal container. Minimize generation of dust.

**Large spill and leak:** Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unprotected personnel. Do not flush to sewer or allow to enter waterways. Minimize generation of dust. Vacuum or sweep material and place in a disposal container. Provide ventilation.

**SECTION 6 NOTES:**

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation.

**STORAGE:** Store in a cool dry ventilated area in a tightly closed container. Wash thoroughly after handling. Store at room temperature.

**SECTION 7 NOTES:**

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** General mechanical ventilation or laboratory fume hood. Ensure that eyewash stations and quick drench showers are close to the workstation.

**RESPIRATORY PROTECTION:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

**EYE PROTECTION:** Safety glasses or goggles are recommended when using this product.

**SKIN PROTECTION:** Wear suitable gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear lab coat or lab apron.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

#### EXPOSURE GUIDELINES:

Component	Source	Type	Value
Ingredient 1	ACGIH	TWA	5 mg/m <sup>3</sup>

#### SECTION 8 NOTES:

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White

**ODOR:** Odorless

**PHYSICAL STATE:** Solid powder

**pH AS SUPPLIED:** 7-9 (10% solution)

**BOILING POINT:** Not available

**MELTING POINT:** Not available

**FREEZING POINT:** Not available

**VAPOR PRESSURE (mmHg):** Not available

**VAPOR DENSITY (AIR = 1):** Not available

**EVAPORATION RATE:** Not available

**SOLUBILITY IN WATER:** Soluble in water

**MOLECULAR WEIGHT:** Mixture

**VISCOSITY:** Not established

#### SECTION 9 NOTES:

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Product is stable under normal conditions of use.

**CONDITIONS TO AVOID (STABILITY):** Excessive heat

**INCOMPATIBILITY (MATERIAL TO AVOID):** Acids, Ammonia compounds, chlorine, strong oxidizers, nitrites, peroxides.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** May include but are not limited to: oxides of carbon, sulfur dioxide, hydrogen sulfide, toxic fumes.

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

**CONDITIONS TO AVOID (POLYMERIZATION):** N/A

#### SECTION 10 NOTES:

### SECTION 11: TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY :

Oral LD50

Form Zero powder: >300 but <2000 mg/kg (Rat)

Ingredient 1: 1310 mg/kg (Rat)

Inhalation LC50

no data available

Dermal LD50

no data available

Carcinogenicity: No components are classified as human carcinogen.

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects:

Inhalation May cause respiratory tract irritation.

Ingestion Harmful if swallowed. May cause stomach distress, nausea, or vomiting.

Skin May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Eyes Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Signs and Symptoms of Exposure:

Burning of eyes, skin irritation

**ROUTES OF ENTRY:** Skin/eye contact and ingestion.

**TARGET ORGANS:** Not available

**SECTION 11 NOTES:**

**SECTION 12: ECOLOGICAL INFORMATION**

**TOXICITY:**

Fish: No relevant studies identified.

Crustacea: No relevant studies identified.

Algae/Aquatic Plants: No relevant studies identified.

Other Organisms: No relevant studies identified.

**PERSISTENCE AND DEGRADABILITY:** Biodegradation is expected

**BIOACCUMULATIVE POTENTIAL:** Bioaccumulation is unlikely.

**MOBILITY IN SOIL:** No data available

**PBT and vPvB ASSESSMENT:** Not required.

**SECTION 12 NOTES:**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Unused product: dispose as a regulated hazardous waste. Spent product or spill clean up-follow all provincial, local, state, and federal regulations.

**SECTION 13 NOTES:**

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION:** NOT REGULATED

**TDG:** NOT REGULATED

**IATA:** NOT REGULATED

**IMDG/IMP:** NOT REGULATED

**SECTION 15: REGULATORY INFORMATION**

**United States**

**HCS Classification:** Irritating material

**U.S. Federal regulations:**

**TSCA 8(a) IUR:** Partial exemption

**United States inventory (TSCA 8b):** Listed on inventory.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** No products were found.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.

**SARA 313 Form R - Reporting:**

**DEA List I & II Chemicals**

**(Precursor Chemicals):**

Not Listed

**RTK STATES:** None

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: None

**CANADA**

**WHMIS (Canada):** Class D-2 Material causing other toxic effects.

**Canadian lists:**

**CEPA Toxic substances:** The following components are listed: None.

**Canadian ARET:** None of the components are listed.

**Canadian NPRI:** The following components are listed: None

**CEPA DSL / CEPA NDSL:**

All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

**DISCLAIMER:** This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labelling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Azer Scientific be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.

**PREPARATION INFORMATION: Prepared 11/10/2015 REV1**

**Reviewed 07/31/2017**