

ENG SCIENTIFIC, INC.
(a.k.a., A.J.P. SCIENTIFIC, INC.)

ES-5200
ES-5201

MATERIAL SAFETY DATA SHEET

Nc 9978976

SECTION I

Manufacturer: ENG Scientific, Inc. (a.k.a., A.J.P. Scientific, Inc.)

Address: P.O. Box 1589 - Clifton, NJ 07015

For Information on Health Hazards Call: (973) 472-7200

Product Name: SEMEN DILUTING FLUID

Product Number: 5200, 5201, 5202

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS #
Formaldehyde solution	50-00-0
Sodium Bicarbonate	144-55-8
NFPA RATINGS:	
- HEALTH:	1
- FLAMMABILITY:	0
- REACTIVITY:	0

SECTION III - PHYSICAL DATA

Boiling Point, 101.325 kPa > NA
760 mm Hg

Specific Gravity (H₂O = 1) 1.5 Vapor Density (air = 1) NA

Solubility in H₂O = Complete

Percent Volatiles by Volume = NA Vapor Pressure = NA

Freezing Point = NA Evaporation Rate = NA

Appearance - Clear liquid, slight pungent odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point NA
(test methods)

Flammable Limits in Air, % by volume: Lower= NA Upper= NA

Extinguishing Media: Use any medium suitable for extinguishing the supporting fire.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus while fighting the fire.

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to avoid: Keep away from heat and sources of ignition.

Incompatibility: Strong acids or bases, active metals, oxidants, acylating agents.

Decomposition: Occurs from heat and reaction with materials above.

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD INFORMATION

Threshold Limit Value: None indicated

Oral LD50 (Rat) = 4220 mg/Kg

Effects of Exposure: Moderately toxic via oral routes. Swallowing may irritate and inflame mouth, nose and stomach causing pain, nausea and vomiting. Vapor could be a mild irritant to eyes, nose and throat. Contact may cause eye irritation and dermatitis in some individuals.

Safety Precautions: Wear protective rubber gloves, safety glasses or goggles, lab coat or coveralls.

First Aid: If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat. If inhaled, remove to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth. If breathing is difficult, give oxygen. In case of eye or skin contact, immediately flush with water for at least 15 minutes. Call a physician.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Wear gloves and soak up spilled solution with disposable towels.

Waste disposal method: Small spills should be flushed with large quantities of water. Large spills should be collected for disposal.

Waste Disposal Method: Collect in a beaker, dissolve in large amount of water and wash down drain with excess water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: General (mechanical) room ventilation should be suitable. Special local, ventilation should be used at points where vapors are expected to be vented to the workplace air.

Protective Gloves: Solvent resistant.

Eye Protection: Goggles or safety glasses.

Other Protective Equipment: Lab Coat. Eye bath, safety shower.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Protect units against physical damage.

Other precautions: Store cool, dry area. Store in tightly closed container. Do not ingest.

Note: Disposal of hazardous material may be subject to federal, state, or local regulations. The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which ENG Scientific, Inc. (a.k.a., A.J.P. Scientific, Inc.) shall be responsible.

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