

# Material Safety Data Sheet

**ThermoFisher**  
SCIENTIFIC

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## 1. SUBSTANCE IDENTIFICATION

SUBSTANCE: **DILUENT 2** CATALOG NUMBER: 5522

TRADE NAMES/SYNONYMS: Sodium Azide Free Diluent

CHEMICAL FAMILY: Inorganic Salt Solution

MIXTURE, AQUEOUS

## 2. COMPOSITION AND INGREDIENTS INFORMATION

Sodium Chloride	CAS# 7647-14-5	<1%
TSRN# 119-11-1		

## 3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): Health = 0 Fire = 0 Reactivity = 0

Diluent 2 is a saline solution with 2-Phenoxyethanol added as a preservative. Diluent 2 may cause slight irritation when inhaled with symptoms including, sore throat, coughing and headache. Slight irritation may develop with prolonged skin contact.

### Potential Health Effects:

**Inhalation:** May cause irritation of respiratory tract with sore throat, coughing and headache.

**Eye Contact:** May cause mild irritation.

**Skin Contact:** May cause mild irritation.

**Ingestion:** May cause sore throat, abdominal pain and nausea.

## 4. FIRST-AID PROCEDURES

**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulties.

**Eye Contact:** Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids for at least 15-20 minutes. If irritation persists, seek medical attention.

**Skin Contact:** Wash affected area with soap or mild detergent and large amounts of water.

**Ingestion:** If large amounts are swallowed seek medical advice.

## 5. FIREFIGHTING PROCEDURES

**FIRE AND EXPLOSION HAZARD:** Non-Flammable

**FLASH POINT:** Non-flammable

**UPPER EXPLOSIVE LIMIT:** N/A



	eye-rbt	100mg/24H MOD
	orl-ratLD50:	3000mg/kg
	orl/hmn	TDL <sub>o</sub> :12357mg/kg/23D-C:CVS
100% 2-Phenoxyethanol:	skn-rbt	500mg/24H MLD
	eye-rbt	6mg MOD
	skn-rbt	LD50: 5000mg/kg
	orl-ratLD50:	1260mg/kg

## 12. ECOLOGICAL INFORMATION

At sodium chloride and 2-Phenoxyethanol concentrations this low there is little to no significant detrimental effect to the environment.

## 13. DISPOSAL GUIDELINES

Diluent 2 may be disposed of as a non-hazardous material.

## 14. TRANSPORT INFORMATION

DOT Shipping Name: Saline solutions, Non-Hazardous material.

## 15. REGULATORY INFORMATION

### SARA TITLE III (Superfund Amendment and Reauthorization Act)

SECTION 302 AND 304: Extremely Hazardous Substance List (40 CFR 355)- Not Listed

SECTION 311: Hazard Categorization (40 CFR 370)- None

SECTION 313: Toxic Chemicals Listing (40 CFR 372.65)- Not Listed as a toxic chemical

### CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

SECTION 102(A) Hazardous Substances (40 CFR 302.4)- Not Listed

Reportable Quantity - N/A

SECTION 101(14) Reportable Quantity: N/A

### RCRA (Resource Conservation and Recovery Act.)

40 CFR 261.21 Hazardous Waste Number: Not Listed

### NJ-RTK (New Jersey- State Right To Know)

Environmental Hazardous Substance List: Not Listed

## 16. OTHER INFORMATION:

Diluent 2, as manufactured by J&S Medical Associates, is intended for legal use in laboratories and manufacturing environments.