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## MATERIAL SAFETY DATA SHEET

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Revision Date: 02/14/2011

**NEB #B0334**

### SECTION 1—CHEMICAL INFORMATION

Product Name: Therminator™  $\gamma$  Reaction Buffer Pack

Cas.# None

### SECTION 2—COMPOSITION/INFORMATION ON INGREDIENT

1. Potassium Chloride 3.7% Cas.# 7447-40-7

The ingredients listed in this section include only those items that have more than 1% of a component classified as hazardous and 0.1% of a component classified as carcinogenic. If you have any questions, please contact info@neb.com.

### SECTION 3—HAZARDOUS IDENTIFICATION

**Emergency Overview:** May cause irritation to eyes.

**HMIS and NFPA Ratings:** 0 – Minimal or None, 1 – Slight, 2 – Moderate, 3 – Serious, and 4 – Severe

Health: 1  
Flammability: 0  
Reactivity: 0

### SECTION 4—FIRST AID MEASURES

**Eyes:** Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids. Call a physician.

**Skin:** Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Ingestion:** Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### SECTION 5—FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

**Special Fire Fighting Procedures:** Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

## SECTION 6—ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid breathing or contact with vapors, mist of gas.

**Environmental Precautions:** Do not let product enter drains.

**Methods For Cleaning Up:** Cover with dry lime, sand, or soda ash. Sweep up and shovel. Place in covered container for disposal.

## SECTION 7—HANDLING AND STORAGE

**Handling:** Provide appropriate exhaust ventilation. Containers of this material may be hazardous when empty since they retain product residues; observe all warnings and precautions listed for the product.

**Storage:** Keep tightly closed in a dry and well ventilated place. Store at -20°C .

## SECTION 8—EXPOSURE CONTROLS/PPE

**Engineering Controls:** Safety shower and eye wash. Mechanical exhaust.

**Personal Protective Equipment:**

**Eye Protection:** Safety goggles.

**Hand Protection:** Compatible resistant gloves.

**Respiratory Protection:** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Hygiene Measure:** General practice, wash (hands and skin) thoroughly after handling. Remove and wash contaminated clothing.

## SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Form: Liquid                      Color: Clear or colorless                      Odor: None

**Property Value      Temperature or Pressure**

Boiling Point Range:      No data available

Melting Point Range:      No data available

Flash Point:                      No data available

Auto Ignition Temp:      No data available

Vapor Pressure:                      No data available

Vapor Density:                      No data available

Specific Gravity:                      No data available

Solubility in Water:                      Soluble

## SECTION 10—STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Materials and Conditions to Avoid:** No information found.

**Hazardous Decomposition Products:** Oxides of the contained metal and halogen, possibly also free, or ionic halogen.

**Hazardous Polymerization:** Will not occur.

## SECTION 11—TOXICOLOGICAL INFORMATION

**Acute and Chronic Affects Based On Routes Of Exposure**

No data available.

To the best of our knowldege, the physical chemical and toxicological properties have not been throughly investigated.

**Target Organ(s):** Skin, eyes, respiratory tract.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorder or eye problems may be more susceptible to the effects of the material.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.

**IARC:** No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1 % is identified as a known or suspected human carcinogen or confirmed animal with unknown relevance humans.

## SECTION 12—ECOLOGICAL INFORMATION

No data available.

## SECTION 13—DISPOSAL CONSIDERATIONS

Dispose of container, unused contents and contaminated packaging in accordance with federal, state and local requirement. Contract with a licensed Chemical Waste Disposal Service.

## SECTION 14—TRANSPORT INFORMATION

This product is not dangerous and no special precautions are needed according to DOT, ADR/RID (cross border), IMDG and IATA/ICAO.

## SECTION 15—REGULATORY INFORMATION

**OSHA Hazards:** None known.

### **US Classification and Label Test**

**US Statements:** Caution. Avoid contact and inhalation.

### **United States Regulatory Information:**

Sara Listed: No

TSCA Inventory Item: Yes

### **Canada Regulatory Information**

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**DSL:** Yes

**NDSL:** No

### **EU Additional Classification**

S: 23/24/25

Safety Statements: Do not breath vapor. Avoid contact with skin and eyes.

## SECTION 16—OTHER INFORMATION

### **DISCLAIMER**

The information provided on the MSDS is furnished in good faith and based on our present knowledge. However, this MSDS shall not constitute a guarantee of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. NEB assumes no additional liability or responsibility resulting from the use of, or reliance on this information. This product is for R&D use only. Not for drug, household or other uses.

Questions about the information found on this MSDS should be directed to [info@neb.com](mailto:info@neb.com).