



## MATERIAL SAFETY DATA SHEET (MSDS)

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**NEB #B0363**

### SECTION 1-CHEMICAL INFORMATION

Product Name: RNA Loading Dye (2X)

Cas.# None

### SECTION 2-COMPOSITION/INFORMATION ON INGREDIENT

1. Formamide 95% Cas.# 75-12-7

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 skin, eyes, and respiratory tract. Danger, toxic to reproduction.

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

Health: 2  
Flammability: 0  
Reactivity: 1

### 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:** Wash skin with soap and copious amount of water. Remove clothing and shoes.

**Ingestion:** Clean mouth with water and afterwards drink plenty of water.

**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:** Carbon dioxide, dry chemical powder or appropriate foam.

**Special Fire Fighting Procedures:** Wear self contained breathing apparatus and full protective gear.

**Fire and Explosion Hazards:** Carbon oxides, Nitrogen oxides.

## SECTION 6—ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

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

**Methods For Cleaning Up:** Absorb with sand or vermiculite. Sweep up and shovel. Place in covered container for disposal.

## SECTION 7—HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

**Storage:** Keep tightly closed in a dry, cool and well ventilated place.

**Incompatible Products:** Acids. Bases. Strong oxidizing agents.

## SECTION 8—EXPOSURE CONTROLS/PPE

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

**Personal Protective Equipment:**

**Eye Protection:** Safety glasses with side shields.

**Hand and Body Protection:** Compatible resistant gloves/clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

## SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid                      Color: Colorless      Odor: None or odorless

<b>Property</b>	<b>Value</b>	<b>Temperature or Pressure</b>
Boiling Point Range:	210–216°C	
Melting Point Range:	1–3°C	
Flash Point:	150°C/302°F	
Auto Ignition Temp:	499°C	
Vapor Density:	No data available	
Specific Gravity:	1.133	
Solubility in Water:	No data available	

## SECTION 10—STABILITY AND REACTIVITY

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

**Materials to Avoid:** Acids. Bases. Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Keep away from heat, sparks and open flames

## SECTION 11—TOXICOLOGICAL INFORMATION

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

**Eye Contact:** May cause irritation.

**Skin Contact:** May cause irritation.

**Ingestion:** Low toxicity. May cause nausea, headache or diarrhea.

**Inhalation:** Unlikely at room temperature, inhalation of mist may cause irritation of respiratory tract.

**Acute Exposure:** Product does not present an acute toxicity hazard based on supplied information.

**Chronic Exposure:** Suspected teratogen.

**Target Organ(s):** Liver, central nervous system (CNS), blood, kidneys.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorder or eye problems or impaired liver or kidneys 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

Harmful to aquatic organisms.

## 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:** Yes.

**US Classification and Label Test**

**US Statements:** Danger, toxic to reproduction.

**United States Regulatory Information:**

Sara Listed: No

TSCA Inventory Item: Yes

**Canada Regulatory Information:** D2A very toxic material.

**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/NDSL:** Yes

**EU Additional Classification**

S: 23 24/25

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

## SECTION 16—OTHER INFORMATION

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