

MATERIAL SAFETY DATA SHEET



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SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CATALOG#: IB01015
NAME: 5X RNA GEL LOADING KIT
CAS#: N/A BLEND

SECTION 2. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

TOXIC (USA) / TOXIC (EU)
IRRITANT
MAY CAUSE CANCER.
MAY IMPAIR FERTILITY
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
MAY CAUSE HARM TO THE UNBORN CHILD

TARGET ORGAN(S):

CENTRAL NERVOUS SYSTEM, KIDNEYS
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

HMIS: NFPA:
H: N/A H: N/A
F: N/A F: N/A
R: N/A R: N/A
PE: N/A SH: N/A

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Table with 5 columns: CHEMICAL NAME, CAS #, RTECS #, EINECS#, and %. Rows include DENATURING SOLUTION (DEIONIZED FORMAMIDE, FORMALDEHYDE, TRIS BUFFER, EDTA, DISODIUM, BORIC ACID), DEPC WATER (DEPC), and GLYCEROL GEL LOADING DYE (PATENT BLUE, GLYCEROL).

SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 4. ----- FIRST-AID MEASURES-----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. ----- FIRE FIGHTING MEASURES-----

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE-----

DO NOT BREATHE VAPOR.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE AT +4°C.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

SAFETY SHOWER AND EYE BATH.

CHEMICAL FUME HOOD RECOMMENDED.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR

LIQUID

SECTION 10. ----- STABILITY AND REACTIVITY-----

STABILITY

STABLE.

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG BASES
STRONG ACIDS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE
LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND
VOMITING.

EXPOSURE CAN CAUSE:

DERMATITIS

MAY CAUSE NERVOUS SYSTEM DISTURBANCES.

INGESTION CAN CAUSE CIRCULATORY COLLAPSE, TACHYPNEA, PARALYSIS,
CONVULSIONS, COMA, NECROSIS OF MOUTH AND G.I. TRACT, JAUNDICE, DEATH
FROM RESPIRATORY FAILURE, SOMETIMES FROM CARDIAC ARREST.

READILY ABSORBED THROUGH SKIN.

CHRONIC EFFECTS

MAY CAUSE CANCER

TARGET ORGAN(S):

CENTRAL NERVOUS SYSTEM

KIDNEYS

LIVER

PANCREAS

SPLEEN

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR
EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

NOT REGULATED

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION

TOXIC

R 23/24/25

TOXIC IN CONTACT WITH SKIN AND IF SWALLOWED.



Toxic (T)

R 45

MAY CAUSE CANCER

R: 60/61

MAY IMPAIR FERTILITY. MAY CAUSE HARM TO THE UNBORN CHILD.

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN

S: 36/37/39



Irritant (Xi)

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

SECTION 16. OTHER INFORMATION

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