

Section 1-Identification of Product

7030-7031 RNAlater-ICE
 WHMIS Classification Health = 1, Flammability = 3, Reactivity = 1
 Product Use

Contact Information

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Emergency Contact: In Europe, call 112. In USA, call 911

Section 2-Composition/Information

Hazardous Ingredients (Specific)	%	CAS #	LD ₅₀ (Rat)	LC ₅₀
Trade Secret	Not Available	Not Available	ORL-7060 mg/kg	IHL-20000 ppm/10H
Trade Secret			ORL-5628 mg/kg	IHL-64000 ppm/4H
Trade Secret			ORL-5045 mg/kg	IHL-16000 ppm 8 hr
Proprietary Ingredients including a dye	5%			

Section 3-Hazard Identification

Routes of Entry

Skin Contact	X
Inhalation	X
Eye Contact	X

[Emergency Overview] Highly Flammable, harmful by inhalation, in contact with skin and if swallowed

[Potential Health Effects] Exposure to high vapor concentration may cause upper respiratory tract irritation. It may cause drowsiness with inhalation

Section 4-First Aid Measures

Skin Contact	Wash thoroughly with soap and water
Eye Contact	Rinse eyes with copious amounts of water for 15 minutes, get medical attention if irritation develops
Inhalation	Remove to fresh air, seek medical attention immediately
Ingestion	Induce vomiting as directed by medical personnel, seek medical attention

Section 5-Fire Fighting Measures

Flammable	Flammable liquid and vapor
Means of Extinction	Dry chemical, carbon dioxide, or powdered extinguishing media – DO NOT USE WATER
Flashpoint (°C) and Method	13C (55 F)
Upper Flammable Limit (% by volume)	19
Lower Flammable Limit (% by volume)	3.3
Autoignition Temperature (°C)	422 C (792F)
Explosion Data – Sensitivity to Static Discharge	yes

Section 6-Accidental Release Measures

Leak and Spill Procedures Ensure adequate ventilation; absorb with inert material and place in chemical waste container. Do not use combustible materials. Keep away from ignition sources.

Section 7-Handling and Storage

Handling Procedures and Equipment	Keep in tightly closed container, Ensure good ventilation in the work area.
Storage Requirements	Store in cool dry place at RT

Section 8-Exposure Control/Personal Protection

Exposure Limits	
ACGIH TLV	1000 ppm (TWA) 200 ppm (TWA) 400 ppm (TWA)

OSHA PEL	1900 MG/ M3 260 MG/M3 983 MG/M3
Engineering Controls (specific)	
General	Use general laboratory exhaust system
Local Exhaust	NA
Personal Protective Equipment (specific)	
Gloves	General lab qualified gloves
Respirator	General use of respirator is not needed except when reaching exposure limit
Eye	General safety glasses
Clothing	General lab coat or other appropriate clothing
Section 9-Physical and Chemical Properties	
Physical State	Blue liquid
Odor and Appearance	Alcohol like odor
Vapor Density (Air=1)	1.6
Vapor Pressure (mmHg)	40 @ 19C
Boiling Point (oC)	78 C (172 F)
[Solubility in Water]	Miscible in water
Section 10-Stability and Reactivity	
Chemical Stability	Stable under normal conditions of storage and use.
Incompatible with other substances	Strong oxidizing agents, acids
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide
Section 11-Toxicological Information	
Acute Effects	Irritation to skin and mucous membranes
Chronic Effects	Exposure to high vapor concentrations may cause upper respiratory tract irritation and eye irritation. It is a nervous system depressant.
Carcinogenicity	
IARC (1,2A, or 2B)	Not classified as a carcinogen to humans
Section 12-Ecological Information	
Aquatic Toxicity	This material is not toxic to aquatic life. It readily evaporates and biodegrades when released into soil.
Section 13-Disposal Considerations	
Waste Disposal	Consult state and local regulations to ensure proper disposal.
Section 14-Transport Information	
Special Shipping Information	
[DOT]	UN#1987, proper shipping name- Alcohols, N.O.S.; Class – 3; PG II
Section 15-Regulatory Information	
	US Classification, DOT / IATA transportation regulations; DSCL (EEC) – R11 – highly flammable; R20/21/22 – harmful by inhalation, contact with skin and if swallowed; R67 – vapors may cause drowsiness and dizziness
[SARA]	This product is subject to SARA section 311 / 312 reporting requirements
[TSCA]	No
Section 16-Other Information	
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