

SECTION 14: TRANSPORT INFORMATION

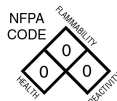
UN number Not applicable
UN shipping name Not applicable
Transport hazards class(es) Not applicable
Packing group Not applicable
Environmental hazards Not applicable
Transport in bulk Not applicable
Other precautions Not applicable

SECTION 15: REGULATORY INFORMATION

Potassium Nitrate (7757-79-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: OTHER CONSIDERATIONS
NFPA Hazards

Health hazard 0: Poses no health hazard, no precautions necessary and would offer no hazard beyond that of ordinary combustible materials.
Fire hazard 0: Materials that will not burn.
Instability/reactivity 0: Normally stable, even under fire exposure conditions, and are not reactive with water.


HMIS III Rating

Health 0: No significant risk to health
Flammability 0: Materials that will not burn
Physical hazard 0: Materials that are normally stable
Personal protection 0: None required

YSI-608072	
Health	0
Flammability	0
Physical Hazard	0
Personal protection	0

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END OF SAFETY DATA SHEET


NORTH CENTRAL LABORATORIES

 www.nclabs.com
 Revision Date: 06/12/2020

 Safety Data Sheet
 According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name 5 mg/L NO₃⁻-N Standard (Nitrogen concentration due to nitrate)
Catalog Number YSI-608072
Product Description Laboratory chemical

Supplier YSI, a Xylem brand Yellow Springs, OH 45387
 Telephone: 937-767-7241 YSI.com

Manufacturer: NCL of Wisconsin Inc P.O. Box 8, Birnamwood, WI 54414
 Telephone: 1-800-648-7836 FAX: 715-449-2454
 Email: nclabs@nclabs.com Emergency Contact: 1-800-424-9300 (Chemtrec)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification Not classified
Signal Word Not applicable
Pictogram None
Hazard Statements None
Precautionary Statements None
Other Hazards not Contributing to the Classification None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity Solution in water
Common Name Not applicable

Name	CAS #	Approximate %
Water	7732-18-5	>99.9
Potassium Nitrate	7757-79-1	<0.1

SECTION 4: FIRST AID MEASURES
Description of first aid measure
General first aid measure

Not expected to require first aid. However, minimal contact, as with all chemicals, is a good policy to follow. Get medical attention if you feel unwell

If inhaled

None

In case of skin contact

Rinse with water

In case of eye contact

Flush eyes with water

If swallowed

Rinse mouth with water. Get medical attention if you feel unwell.

Most important symptoms/effects
acute and delayed

Not expected to present a hazard

Indication of immediate medical attention
and special treatment needed

No information found

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Foam, dry powder, sand, carbon dioxide, water spray
Unsuitable extinguishing media	Do not use high pressure water stream.
Special hazards arising from chemical	No information found
Special protective actions for fire-fighters	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency Procedures	
Personal precautions	Wear chemical safety goggles. Evacuate the area of non-essential personnel.
Environmental precautions	No information found
Methods and materials for containment and cleaning up	Ensure compliance with Federal, State, and Local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Conditions for safe storage including any incompatibilities	Keep in a tightly closed container. Store in a cool dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	Not Applicable
Appropriate engineering controls	None
Individual protection measures	Avoid all unnecessary exposure
Eye/face protection	Chemical safety goggles
Skin protection	If irritation is experienced, wear rubber or neoprene gloves.
Respiratory protection	Normally none required
Other information	Do not eat, drink, or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear and colorless
Odor	Odorless
Odor threshold	Not determined
pH	~5.3
Melting point/Freezing point	Essentially the same as water
Initial boiling point/boiling range	Essentially the same as water
Flash point	Not determined. Essentially the same as water
Evaporation rate	Essentially the same as water
Flammability rate (solid/gas)	Essentially the same as water
Upper/lower flammability/explosive limits	Essentially the same as water
Vapor pressure	Essentially the same as water
Vapor density	Essentially the same as water
Relative density	1.00
Solubility	Completely soluble in water

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility	Completely soluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Essentially the same as water

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under ordinary conditions of usage and storage
Possibility of Hazardous Reactions	No information found
Conditions to avoid	No information found
Incompatible Materials	Not determined
Hazardous decomposition Products	When heated to decomposition, can emit toxic gases and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified
Potassium nitrate (7757-79-1)	For 100% Potassium nitrate (product contains <0.1%) LD50 oral rat: 3750 mg/kg
Water	LD50 oral rat: >90000 mg/kg
Skin corrosion/irritation	No information found
Serious eye damage/irritations	No information found
Respiratory or skin sensitization	No information found
Germ cell mutagenicity	No information found
Carcinogenicity	No information found
Reproductive toxicity	No information found
Specific organ toxicity single exposure)	No information found
Specific organ toxicity (repeated exposure)	No information found
Aspiration hazard	No information found
Potential adverse human health effects and symptoms	No information found
Other information	Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	No information found
Persistence and degradability)	No information found
Bioaccumulative potential	No information found
Mobility in soil	No information found
Other adverse effects	No information found

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations	Comply with Federal, State and Local regulations
Other information	None found