

Safety Data Sheets

Product: 70-1332

**Mobile Phase MD-TM
(2 Liter)**

Thermo Fisher Scientific
1228 Titan Way
P.O. Box 3603
Sunnyvale, California 94088-3603

Emergency Phone: 1-800-424-9300 (CHEMTREC)
+1-703-527-3887
Information Phone: (408) 737-0700

Date Revised: 1/30/2014

For laboratory use

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. HAZARDOUS IDENTIFICATION

HAZARD CLASS	Flammable Liquid (Category 2) Acutely Toxic (Category 4)	NFPA
		HEALTH 2
		FLAMMABILITY 2
		REACTIVITY 0

GHS Label Elements:



Danger

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H319	Causes serious eye irritation
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/Bond container and receiving equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

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P242	Use only non-sparking tools.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Acetonitrile	Sodium Phosphate Monobasic Monohydrate
PERCENT (%)	89.0	10.0	1.0
CAS NO.	7732-18-5	CAS # 78-05-8	CAS # 10049-21-5
EINECS NO.	231-791-2		
RISKS	No data available	R11, R21/21/22, R36	R36/37/38
SAFETY	No data available	S16, S36/37	S24/25, S36/37/39

4. FIRST AID MEASURES

GENERAL: Remove contaminated clothing, wash thoroughly before reuse.

EYES: Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.

SKIN: Remove contaminated clothing and flush skin with water thoroughly

INHALATION: Move to fresh air

INGESTION: If large amounts are swallowed, get medical help immediately. If patient is conscious, give large quantities of water

5. FIRE FIGHTING MEASURES

Hazardous Combustion Products: Oxides of carbon and nitrogen

Extinguishing Media: Data not available

Special Protective Actions For Fire Fighters: Data not available

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.
Wear appropriate protective clothing and eye protection.
Contain spill.
Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
Mop up and store in a suitable waste container.
Wash contaminated areas with soap and water.

7. HANDLING AND STORAGE

Ensure good ventilation.
Have an eye wash in the immediate area in case of emergency.
Store at room temperature
Keep container tightly closed
Use good laboratory practice when working with any chemical whether it is considered hazardous or not.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Routes of Entry:

INHALATION: Yes

SKIN: Yes

INGESTION: Yes

Health Hazards

ACUTE: Vapors may be irritating to skin, eyes, nose and throat.

CHRONIC: Chronic irritation of exposed tissues.

Ventilation

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in a fume hood if possible

SPECIAL: Data not available

OTHER: Data not available

Protective Clothing Or Equipment

GLOVES: Disposable nitrile gloves

EYE PROTECTION: Safety glasses or goggles.

RESPIRATORY: Data not available

OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid

ODOR: Sweet odor

pH: Data not available

MOLECULAR WEIGHT: Data not available

MELTING POINT: Data not available

BOILING POINT: Data not available

AUTOIGNITION TEMPERATURE: Data not available

FLASH POINT: 30 °C

LOWER EXPLOSION LIMIT: Data not available

UPPER EXPLOSION LIMIT: Data not available

SPECIFIC GRAVITY: Data not available

SOLUBILITY: Data not available

FREEZING POINT: Data not available

EVAPORATION RATE: Data not available

FLAMMABILITY: Flammable

VAPOR PRESSURE: Data not available

VAPOR DENSITY: Data not available

DECOMPOSITION TEMPERATURE: Data not available

VISCOSITY: Data not available

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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION**PRODUCT TOXICOLOGY INFORMATION:**

Acute toxicity: Data not available.

Skin corrosion/irritation: Data not available.

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure; Data not available

Aspiration hazard: Data not available

Likely routes of exposure: Data not available

OSHA PEL: 70 mg/m³ TWA (acetonitrile)

NTP: Data not available

IARC Monographs: Data not available

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Acetonitrile			
RTECS #	AL7700000	#	#	#
OSHA PEL	70 mg/m ³ TWA	#	#	#
ACGIH TLV	Data not available#	#	#	#
TOXICITY DATA	Data not available#	#	#	#

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12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this solution

13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.

14. TRANSPORT INFORMATION**IATA CLASSIFICATION:**

UN ID NUMBER: UN 1648
PROPER SHIPPING NAME: Acetonitrile
CLASS OR DIVISION: 3
HAZARD LABEL(S): Flammable Liquid
PACKAGING GROUP: PG II

USDOT CLASSIFICATION:

UN ID NUMBER: UN 1648
PROPER SHIPPING NAME: Acetonitrile
CLASS OR DIVISION: 3
HAZARD LABEL(S): Flammable Liquid
PACKAGING GROUP: PG II

IMO/IMDG CLASSIFICATION:

UN ID NUMBER: UN 1648
PROPER SHIPPING NAME: Acetonitrile
CLASS OR DIVISION: 3
PACKING GROUP: II
HAZARD LABEL(S): Flammable liquid

ADR CLASSIFICATION:

UN ID NUMBER : UN 1648
PROPER SHIPPING NAME: Acetonitrile
CLASS OR DIVISION: 3
PACKING GROUP: II
HAZARD LABEL(S): Flammable liquid

Marine pollutant: No

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15. REGULATORY INFORMATION

No other regulatory information available

16. OTHER INFORMATION

PRODUCT RISK STATEMENTS: R11 Highly flammable
R21 Harmful in contact with skin
R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin

PRODUCT SAFETY STATEMENTS: S16 Keep away from sources of ignition – No smoking
S24/25 Avoid contact with skin and eyes
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S39 Wear eye/face protection

No changes from previous versions of this document.

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