ThermoFisher SCIENTIFIC

Safety Data Sheets

Product: 70-1332

Mobile Phase MD-TM
(2 Liter)

Thermo Fisher Scientific
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P.O. Box 3603
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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.**

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.

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:	Cear 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 ºC
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

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 rotes of exposure:	Data not available
OSHA PEL:	70 mg/m^3 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

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 sysytem 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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