



MATERIAL SAFETY DATA SHEET

Product:70-3067

UCAT/METS Mobile Phase

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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	Irritant		NFPA	HMIS
Eyes:	Irritant	HEALTH	2	2
Skin:	Irritant	FLAMMABILITY	3	3
Ingestion:	Irritant	REACTIVITY	0	0
Inhalation:	Irritant	NFPA SPECIAL HMIS PPE	-	-

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Methanol	Acetonitrile	Acetic Acid
PERCENT (%)	5	22	< 1
CAS NO.	CAS # 00067-56-1	CAS # 78-05-8	CAS # 00064-19-7
EINECS NO.	200-659-6		200-580-7
RISKS	R11, R23/24/25, R29	R11, R21/22, R36	R10, R35
SAFETY	S7, S36/37, S45	S16, S36/37	S23, S26, S45



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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 with water thoroughly
- INHALATION:** Vapors may be irritating to respiratory system.
- INGESTION:** If large amounts are swallowed, get medical help immediately.

5. FIRE FIGHTING MEASURES

- UNUSUAL FIRE AND EXPLOSION:** Not Applicable
- HAZARDS:** Flammable
- EXTINGUISHING MEDIA:** Use dry chem. For small fires, alcohol foam, water spray or fog.
- SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
- Wear appropriate protective clothing and eye protection.
- Contain spill.
- Scoop up using non-sparking tools 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. May cause liver and kidney damage.

VENTILATION

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in hoods if possible

SPECIAL: None

OTHER: None

PROTECTIVE CLOTHING OR EQUIPMENT

GLOVES: Disposable laboratory gloves are adequate

EYE PROTECTION: Glasses or goggles.

RESPIRATORY: None

OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Liquid

ODOR: Slight odor

pH: Not Determined

MOLECULAR WEIGHT: Not Applicable (mixture)

MELTING POINT: Not Applicable (liquid)

BOILING POINT: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined

FLASH POINT: Not Determined

LOWER EXPLOSION LIMIT: Not Determined

UPPER EXPLOSION LIMIT: Not Determined

SPECIFIC GRAVITY: Not Determined



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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: This is a stable chemical

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon

HAZARDOUS POLYMERIZATION: Not Applicable

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

SYMPTOMS AND SIGNS OF EXPOSURE: May cause nose and throat irritation, asphyxiation, nausea, chest pain, convulsions and liver, kidney damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

EMERGENCY AND FIRST AID PROCEDURES: In case of contact, wash skin with copious amounts of water.
Flush eyes with copious amounts of water for at least 15 minutes.
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Submit to medical examination.

CARCINOGENICITY: Not Applicable

RTECS #: PC1400000 (methanol), AL7700000 (acetonitrile), AF1225000 (acetic acid)

ACGIH TLV TWA: No data found

OSHA PEL: 70 mg/m³ TWA (acetonitrile), 260 mg/m³ TWA (methanol)

NTP: No data found

IARC Monographs: No data found

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Methanol	Acetonitrile	Acetic Acid
RTECS #	PC1400000	AL7700000	AF1225000
OSHA PEL	260 mg/m ³ TWA	70 mg/m ³ TWA	25 mg/m ³ TWA
ACGIH TLV	No Data	No Data	No Data
TOXICITY DATA	No Data	No Data	No Data



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12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this compound.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

IATA CLASSIFICATION:

UN ID NUMBER:	UN 1993
PROPER SHIPPING NAME:	Flammable liquid, n.o.s. (Methanol, Acetonitrile mixture)
CLASS OR DIVISION:	3
SUB RISK:	
HAZARD LABEL(S):	Flammable liquid
PACKAGING GROUP:	PG III
LIMITED QUANTITY PKG INSTRUCTION:	Y344
MAXIMUM LIMITED QUANTITY:	10 L
SPECIAL PROVISIONS:	
ERG CODE:	3L

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: R10, R11, R21/22, R23/24/25, R29, R35, R36

PRODUCT SAFETY STATEMENTS: S7, S16, S23, S26, S36/37, S45.

16. OTHER INFORMATION