SAFETY DATA SHEET

Creation Date: 06-July_2026 Revision Date: 06-July_2026 Revision Number: 1

1. Identification

Product Name:	MoveKit BA Extraction Kit	
Kit Components:		Chemical Description
Bottle 1	Extraction Reagent	Methanol (20 mL)
Bottle 2	Focusing Reagent	Ammonium acetate, aqueous solution (20 mL)
Bottle 3	Mobile Phase Additive	Ammonium acetate, aqueous solution (30 mL)
Intended Use:	Reagents for sample extraction	
	Research Use Only	

Manufacturer

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Emergency Contact: Chemtrec (800-424-9300) or local poison control

2. Hazard(s) Identification

Bottle 1 Extraction Reagent Methanol (20 mL)

GHS US Classification:

Flammable liquids - Category 2
Acute toxicitiy (oral, dermal, inhalation) - Category 3
Specific target organ toxicity (single exposure) - Category 1 (eyes, central nervous system)

GHS label elements, including precautionary statements:

Signal Word: DANGER

Hazard Statements: Highly Flammable liquid and vapor
Toxic if swallowed, in contact with skin, or if inhaled
Causes damage to organs (optic nerve, CNS)

Hazard pictograms:

Precautionary Statements:	Keep away from heat/sparks/open flames. No smoking Avoid breathing vapors Wear protective gloves/eye protection IF SWALLOWED: Immediately call a POISON CENTER. Rinse Mouth IF ON SKIN: Take off contaminated clothing. Rinse skin with water In case of fire: Use CO2, dry chemical, or alcohol-resistant foam

3. Composition/Information on Ingredients

Component	CAS NO.	Concentration	Notes
Methanol	67-56-1	~100%	Extraction Reagent
Ammonium acetate in water	631-61-8	<1 M	Focusing Reagent - non-hazardous Mobile Phase Additve -non-hazardous

4. First Aid Measures

General Advice:	Call a poison center or physician if symptoms persist. Show this SDS to the doctor in attendance.
Inhalation (methanol):	Remove person to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.
Skin Contact:	Remove contaminated clothing. Rinse skin with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing. Seek medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water. Call a poison center immediately.

5. Firefighting Measures

Suitable Extinguishing Media:	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam
Unsuitable Extinguishing Media:	Water may be ineffective
Specific Hazards:	Methanol vapors may form explosive mixtures with air
Protective Equipment:	Wear full protective gear and self-contained breathing apparatus (SCBA)

6. Accidental Release Measures

Personal Precautions:	Avoid Inhalation. Remove ignition sources. Ventilate area. Wear appropriate PPE.
Spill Cleanup:	Absorb with inert absorbent material. Place in chemical waste container.

7. Handling and Storage

Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use with adequate ventilation.
Storage:	Store tightly closed ina cool, well-ventilated place away from ignition sources.

8. Exposure Controls / Personal Protection

Component	ACGIH TLV	OSHA PEL
Methanol (OSHA PEL):	TWA: 200 ppm STEL: 250 ppm Skin	TWA: 200 ppm

Engineering Controls:	Use in fume hood or well-ventilated area
PPE:	Safety goggles, gloves (nitrile recommended), lab coat.

9. Physical and Chemical Properties

methanol

Appearance:	Clear, colorless liquid
Odor:	Alcohol-like
Flash point:	11 C (52 F)
Boiling point:	64.7 C (148.5 F)
Vapor Pressure:	127 mmHG @ 25 C
Solubility:	Miscible with water

Ammonium Acetate aqueous solution

Appearance:	Clear, colorless liquid
Odor:	None
Boiling point:	~100 C
Note:	Non-flammable aqueous solution

10. Stability and Reactivity

Stability:	Stable under normal conditions
Incompatible Materials:	Strong oxidizing agents, acids, alkalis
Hazardous Decomposition Products:	Carbon monoxide (CO), Formaldehyde

11. Toxicological Information

Methanol

LD50 Oral:	1187-2769 mg/kg (Rat)
LD50 Dermal:	17,100 mg/kg (Rabbit)
LC50 Inhalation:	128.2 mg/L (Rat) 4 h

Ammonium Acetate

Not hazardous at diliute concentrations

12. Ecological Information

Methanol is readily biodegradable but toxic to aquatic life in high concentrations

13. Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Do not pour down the drain.

14. Transport Information

UN Number:	UN1230
Proper Shipping Name:	Methanol
Hazard Class:	3 (Flammable Liquids)
Packing Group:	II
Notes:	Excepted/Limited Quantity Exception may apply based on container volume and packaging

15. Regulatory Information

TSCA Inventory:	All components listed
SARA 313:	Methanol is subject to reporting
California Prop 65:	Methanol - reproductive toxicity

16. Other Information

Prepared by:	Move Analytical, LLC
Date of preparation:	6-Jul-26
Disclaimer:	The information above is believed to be accurate but does not constitute a warranty. Users must determine the suitabilty for their purposes.