SAFETY DATA SHEET

Creation Date: 03-Feb-2026 Revision Date: 06-Jul-2026 Revision Number: 1

1. Identification

Product Name	MoveKit BA Standards	
Kit Components:		Chemical Description
Box 1	SST	Dilute bile acids in 50% methanol solution (0.1 mL)
	Internal Standard	Stable isotope internal standard mix in 50% methanol (1 mL)
Box 2		
	Blank	Aqueous phosphate buffered saline (PBS)
	QC High/Low	Dilute bile acids in biological matrix (Heat Deactivated)
	Cal 1/2	Calibration Standard
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

This product is considered hazardous due to the presence of methanol in one vial from Standards Box 1:
SST Sample

GHS US Classification (applies only to SST vial in Box 1)
Flammable liquids - Category 3
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
Flammable liquid and vapor
Toxic if swallowed, in contact with skin, or if inhaled
Causes damage to organs (optic nerve, CNS)

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 CO_2, dry chemical, or alcohol-resistant foam

All other vials in Box 1 and Box 2 are not classified as hazardous under GHS/OSHA HCS.

3. Composition/Information on Ingredients

Kit Component	Hazardous chemical	CAS NO.	Other Components
SST	methanol (50%)	67-56-1	bile acids
Internal Standards			stable isotope labeled metabolites
Blank			phophate buffered saline (PBS)
QC High/Low			bile acids in heat deactivated biological matrix
Cal 1/2			bile acid calibration standards

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):	Move to fresh air. Seek medical attention for symptoms from methanol
Skin Contact:	Wash with soap and water. Remove contaminated clothing.
Eye Contact:	Rinse thoroughly with water. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Seek medical attention if symptoms occur, especially for methanol exposure

5. Firefighting Measures

Suitable Extinguishing Media	Water spray, carbon dioxide (CO_2), dry chemical, alcohol-resistant foam
Unsuitable Extinguishing Medi	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 at -80° C

8. Exposure Controls / Personal Protection

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

SST

Appearance:	Clear, colorless liquid
Odor:	Alcohol-like
Flash point:	27 C (80 F)

Internal Standards

Appearance:	Dry residue in glass vial
Odor:	None

All other standards

Appearance:	clear aqueous liquids
Odor:	None

10. Stability and Reactivity

Stability:	Stable under normal conditions
	No dangerous reactions expected under normal use

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

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:	2 (Flammable Liquids)
Packing Group:	II
Notes	Excepted/Limited Quantity Exception 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:	3-Feb-26
Disclaimer:	The infomration above is believed to be accurate but does not constitute a warranty. Users must determine the suitabilty for their purposes.