1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mobile phase for CA-5ODS column for Catecholamine Analysis (CA-5ODS Mobile Phase)

MANUFACTURER: Amuza® Inc

ADDRESS: 10060 Carroll Canyon Rd. Suite 100, San Diego, CA 92131

EMERGENCY PHONE NUMBER: 888-680-7775

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION: Preparation

CHEMICAL NAME: Mobile phase for CA-5ODS column for Catecholamine Analysis (CA-5ODS Mobile Phase)

COMPOUND NAME	CAS NUMBER	% BY WEIGHT	CHEMICAL FORMULA
Water	7732-18-5	About 79	H_2O
Sodium Dihydrogen Phosphate Dihydrate	13472-35-0	1	NaH_2PO_4-$2H_2O$
Sodium Phosphate Dibasic Dodecahydrate	10039-32-4	0.04	Na_2HPO_4-$12H_2O$
Disodium Dihydrogen Ethylenediaminetetraacetate	6381-92-6	0.005	$C_{10}H_{14}N_2Na_20_8$-$2H_20$
Sodium 1-Octanesulfonate	5324-84-5	0.05	$CH_3(CH_2)_6CH_2SO_3Na$-H_2O
Methanol	67-56-1	About 19	CH_3OH

3. HAZARDS IDENTIFICATION

SUMMARY INFORMATION ON HAZARDS: Nothing particular

NFPA RATING FLAMMABILITY (RED) FO: Not combustible

HEALTH (BLUE) H1 CAUTION: May be irritating

REACTIVITY (YELLOW) RO STABLE: Not reactive when mixed with water

ADVERSE HUMAN HEALTH EFFECTS: Irritating to skin, eyes and causes inflammation. If swallowed, may cause nausea, vomiting, abdominal pain.

ENVIRONMENTAL EFFECTS: Not available

SPECIFIC DANGER/HAZARD: Nothing particular

4. FIRST AID MEASURES

GENERAL ADVICE: In case of accident or if you feel unwell, seek medical advice immediately (show this safety data sheet to the doctor in attendance).

INHALATION: In case of accident by inhalation remove casualty to fresh air and keep at rest. If breathing is weak, irregular or has stopped, open airway, loosen collar and belt and administer artificial respiration.

SKIN CONTACT: Immediately remove contaminated clothing. After contact with skin, wash immediately with plenty of water.

EYE CONTACT:	In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.
INGESTION:	If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Give the person one or two glasses of water, try to get the victim to vomit by having the victim touch the back of their tongue with a finger. Do not make an unconscious person vomit.
PRECAUTION FOR FIRST-AID INDIVIDUAL:	Protect first-aiders by wearing rubber gloves and safety glasses

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	The product is non-flammable. In case of fire, use water mist foam, dry powder CO_2, or dry sand. Use extinguishing media appropriate to surrounding fire conditions.
INCOMPATIBLE EXTINGUISHING MEDIA:	Nothing particular specific
HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
SPECIFIC FIRE-FIGHTING MEASURES :	This product is noncombustible. When surrounding a fire, move containers from the fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect the surrounding area. Dry chemical powder, carbon dioxide or dry sand should be used for small fires. Foam extinguisher is effective for a large scale fire.
PROTECTION OF FIRE-FIGHTERS:	Firefighters should wear proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

MEASURES FOR HANDLING PERSONNEL:	Wear proper protective equipment.
MEASURES FOR ENVIRONMENTAL EFFECTS:	Attention should be given not to cause damage to the environment by flowing of spillage to rivers.
MEASURES WHEN HANDLING SPILLED SUBSTANCES:	Shut off the leakage source to stop the leakage. For a small spill, absorb the liquid with absorbent pads and move to a chemical waste container. For large spills, prevent leakage to the surroundings (drains) and lead the spill to a safe place to collect.

7. HANDLING AND STORAGE

PREVENTIVE MEASURES:	(Exposure Control for handling personnel) Wear proper equipment not to contact with skin or inhale the vapor.
SAFETY TREATMENTS:	Use with an enclosed system or a local exhaust ventilation.
SAFETY MEASURES/ INCOMPATIBILITY:	Do not shock, overturn, drop, or drag containers.

STORAGE:	Keep tightly closed in dark cool place.
INCOMPATIBLE STORAGE CONDITION:	See [10. Stability and Reactivity]. Keep away from strong oxidants.
RECOMMENDATION ON CONTAINER AND PACKAGING MATERIALS:	Glass, etc.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES:	Keep source tightly closed or install local exhaust ventilation. Provide shower and vanity unit nearby and make clear the location of these.
CONTROL VALUE:	Not established.
ADOPTED VALUE:	[ACGIH] Not established. [JCGIH] Not established.
PERSONAL PROTECTION:	
Respiratory protection:	Wear positive pressure self-contained breathing apparatus (SCBA). Respirator for acidic vapors
Hand protection:	Wear impervious gloves made from chloroprene, as appropriate.
Eye protection:	Wear protective eyeglasses or chemical safety goggles.
Skin protection:	To prevent any contact, wear impervious clothing such as apron, boots, or whole-body suits made from chloroprene, as appropriate.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid Color: Colorless
ODOR:	Not available
pH:	About 6
BOILING POINT:	Not available
MELTING/FREEZING POINT:	Not available
FLASH POINT:	Not available
IGNITION TEMPERATURE:	Not available
EXPLOSION:	Not available
SPECIFIC GRAVITY/DENSITY:	About 1.01 g/ml
SOLUBILITY IN WATER	Miscible Octanol/water partition coefficient (log Pow) : N.A

10. STABILITY AND REACTIVITY

STABILITY:	This product is considered a stable material under normal and anticipated storage and handling conditions.
REACTIVITY:	May react with oxidizing agents.
CONDITIONS TO AVOID:	Sunlight, heat, contact with strong oxidants .
HAZARDOUS DECOMPOSITION	
PRODUCTS:	Not available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	If swallowed, may cause nausea, vomiting, abdominal pain.
IRRITANT PROPERTIES:	Irritating to skin, eyes and cause inflammation.
ALLERGENIC & SENSITIZING EFFECTS:	Not available
CHRONIC TOXICITY :	Not available
CARCINOGENIC EFFECTS:	Listed on neither IARC nor NTP.
MUTAGENIC EFFECTS:	Not available
TERATOGENIC EFFECTS:	Not available
TOXICITY FOR REPRODUCTION:	Not available

12. ECOLOGICAL INFORMATION

BIOTRANSPORTABILITY:	Not available
PERSISTENCE AND DEGRADABILITY:	Not available
BIOACCUMULATIVE POTENTIAL:	Not available
ECOTOXICITY:	Not available
FISH TOXICITY:	Not available
GENERAL NOTES:	Do not allow undiluted product or large quantities to reach groundwater, water source, or sewage system. Avoid release into the Environment.

13. DISPOSAL CONSIDERATION

Contact a licensed professional waste disposal service to dispose of this material. Comply with all international, country, and local regulations. Do not dump this product into sewers, on the ground, or into any body of water.

14. TRANSPORT IN FORMATION

UN NO., UN CLASS:	Not applicable to UN No..
SPECIFIC SAFETY MEASURES AND CONDITIONS ON TRANSPORT:	Protect from direct sun light in transportation, and confirm the container does not leak. Carefully load it onto a transporter without dropping, overturning or damaging so that it will stably stays on the transporter.

15. OTHER INFORMATION

DISCLAIMER:	For R&D use only. Not for drug, diagnosis, household or other uses.
WARRANTY:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.