

Material Safety Data Sheet

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Product #: LCS-6762

Last Update: 12/9/2008

Section I Product Identification

Name: LC Caffeine Standards Kit

Solvent : water

Section II Composition / Information on Ingredients

Component	CAS#	% by Wt.	LD50	OSHA PEL	ACGIH TLV	RTECS #	Codes
Kit contains five ampules, vials, or bottles							
Vial #1							
water	007732-18-5	99.9500	>90 mL/kg oral rat	N/A	N/A	ZC0110000	
caffeine	000058-08-2	0.0500	192 mg/kg oral rat	N/A	N/A	EV6475000	
Vial #2							
water	007732-18-5	99.9750	>90 mL/kg oral rat	N/A	N/A	ZC0110000	
caffeine	000058-08-2	0.0250	192 mg/kg oral rat	N/A	N/A	EV6475000	
Vial #3							
water	007732-18-5	99.9875	>90 mL/kg oral rat	N/A	N/A	ZC0110000	
caffeine	000058-08-2	0.0125	192 mg/kg oral rat	N/A	N/A	EV6475000	
Vial #4							
water	007732-18-5	99.9975	>90 mL/kg oral rat	N/A	N/A	ZC0110000	
caffeine	000058-08-2	0.0025	192 mg/kg oral rat	N/A	N/A	EV6475000	
Vial #5							
water	007732-18-5	99.9995	>90 mL/kg oral rat	N/A	N/A	ZC0110000	
caffeine	000058-08-2	0.0005	192 mg/kg oral rat	N/A	N/A	EV6475000	

Codes: A-OSHA regulated carcinogen; B-IARC Group 1 carcinogen; C-IARC Group 2A carcinogen; D-IARC Group 2B carcinogen;
E-NTP Group 1 carcinogen; F-NTP Group 2 carcinogen; G-SARA Title III compound; H-California Proposition 65 compound.

Section III Hazards Identification

All chemicals should be considered hazardous - direct physical contact should be avoided.

Section IV First Aid Measures

Inhalation: If inhaled, remove to fresh air. Give oxygen, if necessary. Contact a physician.

Skin Contact: In case of skin contact, flush with copious amounts of water. Remove contaminated clothing. Contact a physician.

Eye Contact: In case of eye contact, flush with copious amounts of water, lifting eyelids occasionally. Contact a physician.

Ingestion: If ingested, contact poison center immediately for recommended procedure. Contact a physician.

Section V Fire Fighting Measures

Fire and Explosion Hazard Data for Solvent

Fire Hazard: non-combustible

Extinguishing Media: Carbon dioxide, dry chemical powder, or water spray.

Section VI Accidental Release Measures

Ventilate area of the leak or spill. Wear appropriate personal protective equipment as specified in Section VIII. A leaking bottle, vial, or ampule may be placed in a plastic bag, and normal disposal procedures followed. Take up spilled material with sand or other non-combustible absorbant material, and place in an appropriate container for later disposal. Flush spill

area with water.

Section VII Handling and Storage

May be stored at room temperature

Keep in a tightly closed container, and store in a corrosion proof area.

This product should only be used by persons trained in the safe handling of hazardous chemicals.

Section VIII Exposure Controls / Personal Protection

Ensure that there is adequate ventilation to prevent airborne levels from exceeding recommended exposure limits (see Section II). Use appropriate MSHA/NIOSH approved safety equipment. Wear chemical goggles, face shield, gloves, and chemical resistant clothing, such as a laboratory coat and/or a rubber apron, to prevent contact with eyes, skin, and clothing.

Section IX Physical and Chemical Properties

Physical Data for Solvent

Melting Pt.: 0°C

Boiling Pt.: 100°C

Density: 1

Vapor Pressure: 17.542 mmHg @ 20°C

Vapor Density: N/A

Water Solubility: soluble

Appearance: colorless liquid

Odor: none

Flash Point: none

Auto-Ignition Temperature: N/A

LEL: N/A

UEL: N/A

Section X Stability and Reactivity

Reactivity Data for Solvent

Stability: stable

Incompatibilities:

N/A

Hazardous Decomposition Products: N/A

Hazardous Effects of Polymerization: none

Section XI Toxicological Information

See Section II for specific toxicological information for the ingredients of this product.

Section XII Ecological Information

No information is available.

Section XIII Disposal Considerations

Recycle, if possible. Any material which cannot be saved for recovery or recycling should be disposed of at an appropriate and approved waste disposal facility. Processing, use, and/or contamination of this product may change waste management requirements. Observe all applicable federal, state, and local environmental regulations concerning disposal.

Section XIV Transport Information

Shipment Type: Non-Hazardous Material

UN Number: N/A

Shipping Class: N/A

Packing Group: N/A

Section XV Regulatory Information

No information is available.

Section XVI Other Information

The above information is believed to be correct, but does not purport to be all-inclusive. This data should be used only as a guide in handling this material. ULTRA Scientific, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.