

MATERIAL SAFETY DATA SHEET

PRODUCT: CEMTEC LIQUID ADDITIVE "A"
MANUFACTURED BY: A.W. Cook Cement Products, Inc.
242 Amy Industrial Lane
Hoschton, Ga. 30548

EMERGENCY PHONE: 706-654-4706
INFORMATION PHONE: 706-654-3677

INFOTRAC (800) 535-5053. This number is to be used only in the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals.

EMERGENCY OVERVIEW

HMIS HEALTH RATING 1 FLAMMABILITY 1 REACTIVITY 0
PHYSICAL FORM Mobile liquid
COLOR White
ODOR Sweet
HAZARDS Mild eye irritant
EXTINGUISHING MEDIA Ignition will give rise to a Class B fire. The product will only burn after the water it contains is driven off.

C.A.S. CHEMICAL NAME Mixture
SYNONYMS None
CHEMICAL FAMILY Acrylic Copolymer
EMPIRICAL FORMULA Mixture
INTENDED USE Adhesive
REVISION NOTES Updated regulatory information. EINECS

INGREDIENTS

#	%	CAS Number and Chemical Name
1.	10.00 - 60.00	7732-18-5 Water

The remaining components are trade secret.

OSHA (ACGIH) EXPOSURE LIMITS

	TWA		STEL		CEILING	
	ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
OSHA	N/E	N/E	N/E	N/E	N/E	N/E
ACGIH	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not Established

HEALTH HAZARDS

ROUTES OF EXPOSURE

Eye Contact
Skin Contact
Ingestion
Inhalation

EXPOSURE STANDARDS

Under normal conditions of use in a well ventilated space, the concentration of minor components in the

work place air will not exceed the TLV or PEL. See exposure standards on ingredients. Maintain air contaminant concentrations in the work place at the lowest feasible levels.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known

CARCINOGENS UNDER OSHA, ACGIH, NIP, IARC, OTHER

This product contains no carcinogens in concentrations of 0.1% or greater.

WARNING STATEMENTS

No specific warnings for normal use conditions.

PRECAUTIONARY MEASURES

Avoid temperature extremes in storage.

EMERGENCY AND FIRST AID PROCEDURES

FIRST AID:

If in eye; minutes.	Hold eyelids apart and immediately flush with water for 15 minutes.
	Consult a physician if irritation persists.
If on skin;	Wash affected area with soap and water. Launder contaminated clothing before reuse.
If vapors inhaled;	Remove subject to fresh air.
Ingestion;	If swallowed, call a physician immediately.
In case of fire;	This product is non-flammable in the liquid state. Use water spray, foam, dry chemical or carbon dioxide on dried product.
Spill or leak;	Contain and remove with inert absorbent. Keep spill out of sewers.

HAZARDOUS INGREDIENTS

This MSDS is prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not "Hazardous" per this OSHA standard.

OCCUPATIONAL CONTROL PROCEDURES

Eye Protection:	Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.
Skin Protection:	Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.
Respiratory protection:	Not normally required.
Ventilation:	Standard industrial ventilation.

FIRE PROTECTION

Flash point/method:	Non-flammable.
Appropriate extinguishers:	Non-flammable in liquid state. Use water spray, foam, dry chemical or carbon dioxide on dried product.
Special Fire Fighting Procedures:	Persons exposed to products at combustion should wear self-contained breathing apparatus and full protective equipment.
Unusual Fire & Explosion Hazards:	There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the container.

REACTIVITY DATA

Stability: Stable
Incompatibility: (Materials to avoid) Reactive metals (i.e. sodium, calcium, zinc, etc.)
Hazardous decomposition: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.
Hazardous Polymerization: Will not occur.

EFFECTS OF OVEREXPOSURE

Eyes: Direct eye contact with the product may cause irritation.
Skin: Prolonged contact with liquid product may cause irritation.
Inhalation: Exposure to vapors in poorly ventilated areas may cause irritation of the nose, throat and respiratory tract.
Chronic: No anticipated chronic effects. This product does not contain regulated levels of NTP, IARC, or OSHA listed carcinogens.

PHYSICAL DATA

Physical State: Liquid
Weight per Gallon: 8.9 lb.
Viscosity: 10 to 100 cps
% solids by weight: 46 to 48
pH: 9.0 to 9.5
Boiling range: Greater than 200 F
Soluble in water: Miscible

SPILL, LEAK & DISPOSAL INFORMATION

Spill or Leak procedures: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water system.
Waste disposal: This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. State or local hazardous waste regulations may apply if they are different from the federal regulation. Solidify and dispose of in an approved industrial landfill.
Storage: Protect from freezing - product stability may be affected.

ADDITIONAL INFORMATION

This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard. In storage the monomer will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspace above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: All components of this product are registered under the regulations of the Toxic Substance Control Act.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es) - None.

SARA TITLE III Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

HANDLING AND STORAGE

STORAGE

Keep away from: oxidizers. Keep in cool, dry, ventilated storage and in containers. Avoid freezing temperatures during storage. Minimize contact with atmospheric air to prevent inoculation with microorganisms. Do not store in iron or other reactive metal containers.

HANDLING

When handling, do not eat, drink, or smoke. Avoid contact with eyes or skin.

OTHER PRECAUTIONS

Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Mobile liquid
COLOR	White
ODOR	Sweet
pH	9.75
VAPOR PRESSURE (mm Hg at 21C (70F))	>18.62
VAPOR DENSITY (Air = 1)	of water vapor
BOILING POINT	>100.00 C (>212.00 F)
MELTING POINT	No Data
SOLUBILITY IN WATER	Completely (100%)
SPECIFIC GRAVITY (Water = 1)	1.05
MOLECULAR WEIGHT	Mixture

TOXICOLOGICAL PROPERTIES

ACUTE ORAL TOXICITY (LD50, RAT)	No Data
ACUTE DERMAL TOXICITY (LD50, RABBIT)	No Data
ACUTE INHALATION TOXICITY (LD50, RAT)	No Data
OTHER ACUTE EFFECTS	No Data
IRRITATION EFFECTS	Mild irritant to the eyes of a rabbit.
CHRONIC/SUBCHRONIC DATA	No delayed test data are known

ECOLOGICAL INFORMATION

No Data

TRANSPORT INFORMATION

DOT NON-BULK SHIPPING NAME	RESIN COMPOUND - Not DOT Regulated
ICAO/IATA SHIPPING DATA	RESIN COMPOUND - Not IATA Regulated