

# MATERIAL SAFETY DATA SHEET

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MASTER BUILDERS TECHNOLOGIES, LTD.  
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Prepared by: Technical Support, Admixture R & D  
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1. **PRODUCT NAME:** POZZUTEC 20  
Chemical Family: Cement Accelerating Agent  
Hazard Ratings: (Health, Fire, Reactivity) HMIS RATING: H1,F0,R1

HAZARDOUS INGREDIENTS:	LD50/LC50	TLV	STEL	PEL	CONTENT
Trade Secret Ingredient	N/A	N/A	N/A	N/A	<40%
CAS No. 39368-85-9					
Trade Secret Ingredient	1360mg/kg N/A	N/A	N/A	N/A	<5%
CAS No. 540-72-7 (rats)					
Trade Secret Ingredient	3800mg/kg N/A	N/A	N/A	N/A	<10%
CAS No. 9084-06-4 (rats)					

3. **PHYSICAL DATA:**

Boiling Point:	105°C	Water/Oil Distribution	
Percent Volatile:	Not Applicable	Coefficient:	Not Applicable
Freezing Point:	-20°C	Solubility in Water:	Complete
Vapor Pressure:	Not Applicable	Specific Gravity:	1.41
Vapor Density:	Not Applicable	pH:	3.5 - 7.5
Odor Threshold:	Not Applicable	Evaporation Rate:	Not Applicable
Appearance and Odor:	Brown solution virtually no odor.		

4. **FIRE AND EXPLOSION HAZARD DATA:**

Flash Point:	Not Applicable	Method Used:	Not Applicable
Auto-Ignition Temperature:	Not Applicable		
LEL:	Not Applicable	UEL:	Not Applicable
Extinguishing Media:	Not Applicable		
Special Fire & Unusual Hazards:			Not Applicable

5. **REACTIVITY DATA:**

Stability: Stable

Incompatibility: Strong mineral acids, bases, nitrites and oxidizing agents may release toxic gases. Typical product usage and storage will not produce toxic gas releases.

Hazardous Decomposition Products: Thermal decomposition: oxides of nitrogen, sulfur & carbon.

Alkali contamination: ammonia & formaldehyde in small amounts.

Acid contamination (plus heat): hydrogen sulfide & hydrocyanic acid could be released in trace amounts.

Hazardous Polymerization: Will not occur.

## 6. ENVIRONMENTAL &amp; DISPOSAL INFORMATION

Action to Take for Spills/Leaks: Wear appropriate protective equipment. Take action to eliminate source of leak; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

Waste Disposal Method: Dispose in accordance with local, provincial, state and federal regulations. This product is biodegradable and, with prior appropriate approval, can be disposed of in a sanitary treatment system or licensed land application facility.

## 7. HEALTH HAZARD DATA:

PRIMARY ROUTE(S) OF ENTRY: Dermal

Effects of Overexposure

Inhalation: Not Applicable  
Eyes: Eye irritant.  
Skin Contact: May cause skin irritation.  
Skin Absorption: Not likely to be absorbed through the skin in toxic amounts.  
Ingestion: May cause nausea if swallowed. May be harmful if large amounts are ingested.  
Chronic: None known; not a carcinogen, mutagen or teratogen.

## 8. FIRST AID:

Inhalation: Not Applicable  
Eyes: Flush with copious amounts of water for at least 15 minutes.  
Skin: Wash with soap and water.  
Ingestion: Drink two glasses of water and induce vomiting by Ipecac syrup, salt water, or placing finger at back of throat. Do not give anything by mouth to an unconscious person.

## 9. SPECIAL PROTECTION INFORMATION:

Ventilation: Provide local or general ventilation if ammonia vapor reaches complaint levels. See Special Instructions.  
Personal Protective Equipment: Chemical Goggles

## 10. ADDITIONAL INFORMATION:

Hazardous Materials Classification: Not Applicable  
WHMIS Classification: D2B  
Storage Conditions: Not Applicable  
Special Instructions: Not Applicable  
SARA Title III 313: No Reportable Chemicals  
California Proposition 65: No Listed Materials  
Special Instructions: End use of Pozzutec 20 in concrete may generate ammonia vapors. OSHA has established an 8-hour time weighted average TLV of 50 ppm. Analysis of data obtained from various independent plant surveys found the average detectable odor level at 5 ppm and the complaint level at 20-25 ppm.

The information herein is given in good faith. No warranty, expressed or implied, is given regarding the accuracy of these data or the results obtained from the use thereof. Consult Master Builders, Inc. for further information.

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY** (As Used on Label and List) (Expanded clay or Lightweight Aggregate (shale, vitrified clay))

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name <b>Prairie Material Sales, Inc.</b> Address (Number, Street, City, State, and ZIP Code) <b>7601 W. 79th Street</b> <b>Bridgeview, IL 60455</b>	Emergency Telephone Number <b>708/563-3381</b>
	Telephone Number for Information <b>708/563-5828</b>
	Date Prepared <b>1-20-92</b>
	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Formula--Does not apply				
<b>Hazardous Component</b>	<b>CAS #</b>	<b>%(TYPICAL)</b>	<b>TLV(UNITS)</b>	<b>PEL(UNITS)</b>
<b>Quartz</b>	<b>14808-60-7</b>	<b>23-41</b>	<b>See below</b>	<b>See below</b>
<b>Cristobalite</b>	<b>14464-46-1</b>	<b>1.5-2.5</b>	<b>See below</b>	<b>See below</b>

$$TLV(\text{quartz}) = \frac{10\text{mg.m}^3}{\% \text{ respirable quartz} + 2} = \text{PEL}(\text{quartz})$$

Note: Previous air monitoring during employee exposure to this product has indicated typical airborne respirable crystalline silica fraction of 1 to 6%

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1985-86/

**Section III — Physical/Chemical Characteristics**

Boiling Point <b>N/A</b>	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1) <b>Approximately 1.3</b>	
Vapor Pressure (mm Hg.) <b>N/A</b>	<b>N/A</b>	Melting Point <b>N/A</b>	<b>N/A</b>
Vapor Density (AIR = 1) <b>N/A</b>	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1) <b>N/A</b>	<b>N/A</b>
Solubility in Water <b>Negligible ( 0.1%</b>			

Appearance and Odor

**Fine to coarse granular solid. Dark red to purple in color. No odor.**

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>Will not ignite</b>	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>N/A</b>			
Special Fire Fighting Procedures <b>None</b>			

Unusual Fire and Explosion Hazards

**None**

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility (Materials to Avoid)

None determined

Hazardous Decomposition or Byproducts

None determined

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? No

Health Hazards (Acute and Chronic)

- (1) ACUTE OVEREXPOSURE—Congestion of nasal passages and respiratory system.  
 (2) CHRONIC OVEREXPOSURE—Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumonconiosis and silicosis. Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea.

Carcinogenicity: N/A NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure

Medical Conditions

Generally Aggravated by Exposure

Respiratory disorders or diseases may be aggravated by exposure.

Emergency and First Aid Procedures

INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled

Clean-up of spills may require personal protective equipment to prevent dust exposures.

See Section 8

Waste Disposal Method If this material, as provided by the manufacturer, becomes a waste, it does not meet the criteria of a hazardous waste as defined by the environmental Protection Agency under the authority of the Resource Conservation and Recovery Act (40 CFR 261). Dispose of in accordance with Federal, State and local regulations.

Precautions to Be Taken in Handling and Storing

Should be stored in a manner to prevent accumulations of airborne dust.

Other Precautions

None

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

NIOSH/MSHA approved for protection against silica and nuisance dusts.

Ventilation	Local Exhaust	To maintain exposure below TLV/PEL	Special
	Mechanical (General)		Other

Protective Gloves

To protect from abrasion

Eye Protection Safety glasses, goggles, or face shield, when necessary to prevent eye injury.

Other Protective Clothing or Equipment

None

Work/Hygienic Practices