



Material Safety Data Sheet **MSDS**

LYCON INC.

READY MIXED CONCRETE

Page 1 of 4

Revision Date: November 2002

SECTION I PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

LYCON Inc.

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Janesville, WI 53547

Telephone Number: 608-754-7701
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Product Name: READY MIXED CONCRETE
Date Prepared: October 1988
EMERGENCY PHONE NUMBER (608) 754-7701

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>Hazardous Components (Specific Chemical Identity; Common Name(s))</u>	<u>OSHA PEL (mg/M)</u>	<u>ACGIH TLV (mg/M)</u>
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Formula – Mixtures of portland or blended cements, concrete aggregates, gravel, sand or crushed stone, chemical admixtures, and water. Also may include fly ash, granulated slag and very small amounts of organic or inorganic materials which are less than 1% and have no effect on the hazards associated with the use of the product.

Portland Cement	CAS# 65 997 15 1	TLV	5 mg/m3
Natural Sand	CAS# 14 808 60 7	TLV	See Below
Crushed Stone	CAS# 1317 65 3	TLV	See Below

Sand and crushed stone dust may contain respirable silica particles

If dust < 1% Quartz, Total dust (ACGIH and MSHA) 10 mg/m3, (OSHA) 15 mg/m3

If dust > 1% Quartz, Total dust (ACGIH and MSHA) 30 (% Quartz + 3)

Total dust (OSHA) 30 (%Quartz + 2), Respirable dust (ACGIH, MSHA, OSHA) 10 (% Quartz + 2)



Material Safety Data Sheet

LYCON INC.

MSDS

READY MIXED CONCRETE

Page 2 of 4

Revision Date: November 2002

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A Specific Gravity (H₂O = 1): N/A

Vapor Pressure (mm Hg.): N/A Melting Point: N/A

Vapor Density (AIR = 1): N/A Evaporation Rate (Butyl Acetate = 1): N/A

Solubility in Water:
Negligible

Appearance and Odor:
Gray, plastic, flowable, granular mud, odorless

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A Flammable Limits: N/A LEL: N/A UEL: N/A

Extinguishing Media:
N/A

Special Fire Fighting Procedures:
Non-combustible

Unusual Fire and Explosion Hazards:
NONE

SECTION V REACTIVITY

Stability: **Stable**

Conditions to Avoid: **However, product stiffens and hardens in 2 to 8 hours and is no longer hazardous.**

Incompatibility (Materials to Avoid):
NONE

Hazardous Decomposition or Byproducts:
NONE

Hazardous Polymerization: **Will Not Occur**

Conditions to Avoid: **NONE**



Material Safety Data Sheet

LYCON INC.

MSDS

READY MIXED CONCRETE

Page 3 of 4

Revision Date: November 2002

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	NO	YES	NO

Health Hazards (Acute and Chronic):
ACUTE – Wet, plastic, unhardened concrete can dry the skin and cause alkali burns (Cement Dermatitis).

Chronic – Hypersensitive persons may develop allergic dermatitis.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

Signs and Symptoms of Exposure:
Irritation of skin and burning sensation particularly when exposure is in an area of skin previously subjected to abrasion or irritation.

Medical Conditions Generally Aggravated by Exposure:
None Known

Emergency and First Aid Procedures:
Irrigate eyes with water. Wash exposed areas of the body with soap and water – Get medical attention.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
Spill does not increase hazard.

Waste Disposal Method:
Material can be retained until it hardens and then discarded in a landfill or by other procedures acceptable under Federal, State, or Local regulations.

Precautions to Be taken in Handling and Storing:
Use barrier creams, gloves, boots and clothing to protect the skin from prolonged contact with plastic concrete. Particularly avoid abrasion of the skin in contact with unhardened plastic concrete.

Other Precautions:
Cement burns occur with little warning – Little heat is sensed. Eye protection not generally required except when placing methods cause splash in which case, goggles should be worn.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specify Type):
Wet – Not required
Dry – Use NIOSH / MSHA approved dust respirator.

Ventilation:	Local Exhaust	Special
	N/A	N/A
	Mechanical (General)	Other
	N/A	N/A



Material Safety Data Sheet *MSDS*

LYCON INC.

READY MIXED CONCRETE

Page 4 of 4

Revision Date: November 2002

Protective Gloves:

Only when prolonged contact with plastic concrete, wear gloves.

Eye Protection:

Only when placing methods cause splashing, wear goggles.

Skin Protection:

NONE

Other Protective Clothing or Equipment:

Wear barrier cream, boots and clothing only when prolonged contact with plastic concrete occurs.

Work/Hygienic Practices:

See VII

SECTION IX

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