## MATERIAL SAFETY DATA SHEET

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#### A. MANUFACTURER/DISTRIBUTOR

THE BELDEN BRICK COMPANY
P.O. BOX 20910
CANTON, OHIO 44701-0910

DATE PREPARED: JUNE 10, 1998
REVISION DATE: FEBRUARY 21, 2012
PHONE NUMBER: 330-456-0031

CANTON, OTHO 44701-0710

## B. PRODUCT IDENTIFICATION

PRODUCT NAME: BRICK
CHEMICAL FAMILY: PREDOMINANTLY ALUMINUM SILICATES
CHEMICAL NAME: MIXTURE
FORMULA: MIXTURE

## C. PRODUCT COMPONENT(S)

		% D I	ACGIN	USHA
COMPONENTS	CAS NO.	WEIGHT	TLV	PEL
ALUMINUM SILICATES	VARIOUS	75-85	$10 \text{ MG/M}^3$	15 MG/M <sup>3</sup>
IRON COMPOUNDS	VARIOUS	0-5	$10 \text{ MG/M}^3$	$10 \text{ MG/M}^3$
CALCIUM COMPOUNDS	VARIOUS	0-12	15 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
QUARTZ	14808-60-7	VARIES	$0.025 \text{ MG/M}^3$	$10 \text{ MG/M}^3$
			(RESPIRABLE)	%SiO <sub>2</sub> + 2 (RESPIRABLE)
BARIUM COMPOUNDS	VARIOUS	0-3	NE	NE
IRON CHROMITE	1308-31-2	0-3	1 MG/M <sup>3</sup>	$1 \text{ MG/M}^3$
MANGANESE COMPOUNDS	VARIOUS	0-3	NE	NE

0/ **DV** 

#### D. PERSONAL PROTECTION INFORMATION

VENTILATION: WHEN SAWING BRICK, USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE

BELOW THE OSHA PEL AND ACQIHTLV.

RESPIRATORY FOR CONCENTRATIONS EXCEEDING THE OSHA PEL OR ACQIH TLV, USE NIOSH/MSHA

PROTECTION: APPROVED RESPIRATOR.

EYE PROTECTION: USE SAFETY GLASSES WITH SIDE SHIELDS. FACE SHIELDS SHOULD ALSO BE USED

WHERE DRY SAWING OF BRICK OCCURS.

SKIN PROTECTION: USE GLOVES AND/OR PROTECTIVE CLOTHING IF ABRASION OR ALLERGIC

REACTIONS ARE EXPERIENCED.

OTHER: WEAR STEEL-TOED SAFETY SHOES. A WET SAW IS RECOMMENDED FOR SAWING BRICK.

## E. HANDLING AND STORAGE PRECAUTIONS

AVOID DUST INHALATION, EYE CONTACT AND EXCESSIVE OR PROLONGED SKIN CONTACT. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS DESCRIBED IN SECTION D IF EXPOSURE CONDITIONS WARRANT.

#### F. REACTIVITY DATA

STABILITY: STABLE INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN CONDITIONS TO AVOID: NONE KNOWN HAZARDOUS POLYMERIZATION: WILL NOT OCCUR HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN CONDITIONS TO AVOID: NONE KNOWN

# G. HEALTH HAZARD DATA\*

RECOMMENDED EXPOSURE LIMITS: SEE SECTION C

# ACUTE EFFECTS OF OVEREXPOSURE:

EYE: MAY CAUSE MILD TO SEVERE IRRITATION BY ABRASION WITH DUST OR CHIPS. SKIN: BRICK DUST OR CHIPS MAY CAUSE ALLERGIC REACTIONS. EXCESSIVE EXPOSURE

MAY RESULT IN ABRASIONS.

INHALATION: BRICK DUST OR CHIPS MAY CAUSE CONGESTION AND IRRITATION IN NASAL AND

RESPIRATORY PASSAGES.

INGESTION: NONE KNOWN

## SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

EXCESSIVE EXPOSURE TO PARTICULATES (DUST) OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES.

## CARCINOGENICITY:

NTP CLASSIFIES RESPIRABLE CRYSTALLINE SILICA AS A KNOWN CARCINOGEN. IARC CLASSIFIES RESPIRABLE CRYSTALLINE SILICA (QUARTZ/CRISTOBOLITE) AS A GROUP 1 CARCINOGEN.

<sup>\*</sup>The dust generated from dry sawing brick may contain silica and may be a potential health problem for the lungs although we are aware of no scientific evidence of a health problem.

#### FIRST-AID AND EMERGENCY PROCEDURES:

EYE: FLUSH EYES WITH RUNNING WATER, OBTAIN MEDICAL ASSISTANCE IF

IRRITATION CONTINUES.

INHALATION: REMOVE FROM EXPOSURE TO AIRBORNE PARTICULATE. CONSULT A

PHYSICIAN IF BREATHING DOES NOT RETURN TO NORMAL.

INGESTION: N/A

SKIN: WASH WITH SOAP AND WATER, IF AN ALLERGIC REACTION CAUSES A RASH

THAT DOES NOT HEAL IN AN APPROPRIATE TIME, CONSULT A PHYSICIAN. TREAT ABRASIONS AS ANY OTHER SCRAPE OR CUT, WITH DISINFECTANTS AND

BANDAGES.

### H. PHYSICAL DATA

APPEARANCE/ODOR: GRANULAR SOLID, ESSENTIALLY ODORLESS, WIDE RANGE OF COLOR

BOILING POINT: N/A SPECIFIC GRAVITY ( $H_2O = 1$ ) 2.6 (APPROXIMATE) PH: N/A

VAPOR PRESSURE: N/A PERCENT VOLATILE BY VOLUME: N/A VAPOR DENSITY: N/A

SOLUBILITY IN WATER: NEGLIGIBLE EVAPORATION RATE (ETHYL ETHER = 1): N/A

## I. FIRE AND EXPLOSION DATA

FLASH POINT: N/A FLAMMABLE LIMITS (% BY VOLUME IN AIR): LEL – N/A VEL – N/A

FIRE EXTINGUISHING MEDIA: N/A SPECIAL FIRE FIGHTING PROCEDURES: N/A

FIRE AND EXPLOSION HAZARDS: N/A

THE ONLY CONCERN IS TO CONTROL DUSTS

J. SPILL OR LEAK PROCEDURES K. WASTE DISPOSAL

THIS MATERIAL IS CLASSED AS A NON-

N/A

DOT SHIPPING DATA

HAZARDOUS SOLID-WASTE FOR DISPOSAL

L. PROTECTION REQUIRED FOR WORK ON CONTAMINATED EQUIPMENT N/A

N/A

### M. HAZARD CLASSIFICATION

K. RCRA CLASSIFICATION

X	THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY THE
	OCCUPATIONAL SAFETY AND HEALTH HAZARD COMMUNICATION STANDARD SECTION
	1910.1200:
	COMBUSTIBLE LIQUID FLAMMABLE AEROSOL
	COMPRESSED GAS EXPLOSIVE
	FLAMMABLE GAS $\underline{X}^{**}$ HEALTH HAZARD
	FLAMMABLE LIQUID ORGANIC PEROXIDE
	FLAMMABLE SOLID OXIDIZER
	PYROPHORIC UNSTABLE
	WATER REACTIVE
	BASED ON INFORMATION PRESENTLY AVAILABLE, THIS PRODUCT DOES NOT MEET ANY OF
	THE HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200

## N. SARA (TITLE III) REPORTS

COMPONENTS OF THIS PRODUCT THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA AND 40 CFR PART 372: Barium Compounds, Chromium Compounds, Manganese Compounds

M.

COMPONENTS OF THIS PRODUCT THAT ARE INCLUDED IN THE SARA EXTREMELY HAZARDOUS SUBSTANCE LIST (40 CFR PART 355): N/A

# O. OTHER INFORMATION

\*\* THE BELDEN BRICK CO. considers our product an "article" as defined in 29 CFR Part 1200 (b)(5)(iv) and 40 CFR Part 372.38. As an article, an MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. OSHA requires an MSDS for brick since it is occasionally dry sawed.