

Section 1.0 – Identification Of Material And Supplier

Product Name : Lockwell WPC
Proper Shipping Name : Colloidal silica concrete penetrating liquid
Recommended use : Concrete treatment
Suppliers Name : Lockwell Systems Co., Ltd.
199/5 Moo.21, Soi Chongsiri Parkland
T.Bangphleeyai, A.Bangplee, Samutprakarn 10540, Thailand.
Country of Origin : USA
Phone Number : +662 136 3868
Date of Preparation : 25 April 2017

Section 2.0 – Hazards Identification**EMERGENCY OVERVIEW:**

Likely Routes of Exposure: Skin contact and eye contact.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure.

Inhalation: Not a normal route of exposure

Signs and Symptoms:

Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms may include redness, drying and cracking of the skin.

Medical Conditions Aggravated By Exposure: Allergies.

Target Organs: Skin and eyes.

Section 3.0 – Composition / Information on Ingredients

Proprietary Formula: Colloidal Solution

Section 4.0 – First Aid Measures

Eye Contact: In case of contact, immediately flush eyes with plenty of water.
If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush with plenty of water.
Remove contaminated clothing and shoes. Wash clothing before reuse.
Call a physician if irritation develops and persists.

Inhalation: Move exposed person to fresh air.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.
Drink plenty of water followed by citrus juice. Seek medical attention

General Advice: In case of accident or if you feel unwell, seek medical advice immediately
(show the label or MSDS where possible).

Section 5.0 – Fire Fighting Measures

Flammability: Not flammable by WHMIS/OSHA criteria.

Means of Extinguishing: Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Explosion Data: Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Fire-fighters should wear appropriate protective equipment.

Section 6.0 – Accidental Release Measure

Personal Precautions: Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions: None
Methods for Clean-Up: Dilute, flush with water. Suitable for sewer disposal.

Section 7.0 – Handling and Storage

Handling: Observe good industrial practices. Do not eat, drink or smoke when using the product.
Storage: Do not freeze. Store between 40 degrees F – 100 degrees F (5 degrees C – 38 degrees C). Store in accordance with local regulations. To be stored inside. Store properly situated away from incompatible materials (i.e. strong acids) and strong UV light

Section 8.0 – Exposure Controls / Personal Protection

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, etc) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: As in any construction environment, use approved safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29VCFR 1910.133 or appropriate Canadian standards.

Hand Protection: In the event of prolonged or repeated contact with hands, users with sensitive skin should use appropriate gloves.

Skin and Body Protection: Wear appropriate clothing and shoes for the task.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Product is recommended to be applied using a spray apparatus. Application on an outdoor installation normally requires no ventilation or breathing equipment. Normally utilized ventilation is usually adequate indoors unless the area being treated is very closed in. In that case, extra mechanical ventilation may be required to facilitate more comfortable breathing. Spray mist is not health hazardous to breathe. However, a face mask should be worn when spraying set concrete surfaces due to potentially sharp alkaline cement dust or other particles subject to becoming airborne

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9.0 – Physical and Chemical Properties

Appearance: Cloudy white
Color: Cloudy white
Odour: None
Physical State: Liquid
Specific Gravity: 1.10
PH: 11.2 - 11.7
Viscosity: 26cps @ 77°F
Freezing Point: 32°F
Boiling Point: 212°F (100°C)

Section 10.0 – Stability and Reactivity

Stability: Stable
Conditions of Reactivity: Heat, Incompatible materials
Incompatible Materials: Acids
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11.0 – Toxicology Information

Effects of Acute Exposure

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva

Skin: May cause skin irritation. Symptoms may include redness, drying and cracking of the skin.

Ingestion: Not a normal route of exposure

Inhalation: Not a normal route of exposure

Effects of Chronic Exposure

Target Organs: Not available

Chronic Effects: Not hazardous by WHMIS/OSHA criteria

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria
(See Section 15 for more information)

Mutagenicity: Not hazardous by WHMIS/OSHA criteria

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria

Toxicologically Synergistic Materials: Not available

Section 12.0 – Ecological Information

Ecotoxicity: No known significant effects or critical hazards

Persistence / Degradability: Not available

Bioaccumulation / Accumulation: Not available

Mobility in Environment: Not available

Section 13.0 – Disposal Considerations

Disposal Instructions: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14.0 – Transportation Information

HAZCHEM: None

Air Transport IATA: ICAO/IATA Class: None

ICAO/IATA Subrisk: None

UN/ID Number: None

Packing Group: None

ERG Code: None

Shipping Name: None

DOT Classification:

Class 50, non-hazardous concrete additive
NMFC Item # 034040-00

TDG Classification:

non-hazardous concrete additive
NMFC Item# 034040-00
Harmonized Tariff Classification # 3824.40



SAFETY DATA SHEET

LOCKWELL WPC

NOM-004-SCT2-1994 Classification:

non-hazardous concrete additive

NMFC Item# 034040-00

Harmonized Tariff Classification # 3824.40

Section 15.0 – Regulatory Information

Canadian: This product has been classified in accordance with the hazard criteria of the Con-trolled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

Mexico: MSDS prepared pursuant to NOM-018-STPS-2000.

State Regulations

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

HMIS - Hazardous Materials Identification System

Health - 1 Flammability - 0 Physical Hazard – 0

NFPA - National Fire Protection Association:

Health - 1 Fire - 0 Reactivity – 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Section 16.0 – Other Information**Disclaimer**

The information contained in this document applies to this specic material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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