



COUPSYL® LS-HARDENER

Safety information

1. Physical and chemical properties

COUPSYL® LS-HARDENER as a liquid lithium-based concrete hardener is a colorless, transparent and full mineral solution.

Property	Amount
Physical appearance	Clear liquid
Purity	≥ 99
pH	13-14
Solid percentage	13 ± 0.5 wt. %

2. Personal Protective Equipment

It is necessary to wear chemical safety goggles, body protective clothing, chemical resistant gloves and rubber boots while working with these materials.

3. Risks

This substance is a colorless and odorless liquid. It causes moderate eye irritation, moderate skin irritation, digestive system irritation and dust irritates the respiratory system. Due to the high pH of this product, in case of leakage to surface water, it will damage aquatic animals. If spilled, it will cause the surface to slip. It reacts with acids, ammonium salts, reactive metals and some organic compounds.

- ❖ Eye contact: This product moderately irritates the eyes.
- ❖ Skin contact: This product moderately irritates the eyes.
- ❖ Inhalation: This product irritates the respiratory system.



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- ❖ Eating: This product causes burning of the mouth, esophagus and stomach.
- ❖ Physical hazards: This product causes the surface to slip.

4. First Aid Measures

- ❖ Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical care.
- ❖ Skin: In case of skin contact, immediately flush skin with large amounts of water while removing contaminated clothing and shoes.
- ❖ Inhalation: If inhaled, move the casualty to fresh air. If not breathing, give artificial respiration. Get medical care
- ❖ Eating: If swallowed, do not induce casualty vomiting. Get medical care immediately.

5. Ignition

This material is non-flammable.

Firefighting equipment: The following protective equipment is recommended for firefighters when this material is present in the fire area: chemical safety goggles, body protective clothing, chemical resistant gloves and rubber boots.

6. Shipping and Storage

Avoid direct contact with eyes, skin and inhalation of spray dust.

Storage: keep in closed plastic containers separate from acids, reactive metals and ammonium salts at a temperature of 15-40 ° C. It should not be stored in aluminum, copper, brass, zinc or galvanized containers.

7. Stability and reactivity



Material Safety Data Sheet

- Very stable under normal conditions.
- If mixed with acids, it degrades and generates heat.
- Absorbs carbon dioxide due to air exposure.
- Flammable hydrogen may be produced in contact with aluminum, tin, lead and zinc.

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