

SAFETY DATA SHEET



Date issued : 06/01/2015

SDS number : SCC-012L

Date revised : 06/17/2020

Revision number : 2

12L Electric Insulating Cement, Liquid

1. Identification

Product code: 12L
Product identifier: 12L Electric Insulating Cement, Liquid
Product description: Electric Insulating Cement, Liquid
Product formulation name: 12L Electric Insulating Cement, Liquid
Chemical family: Aluminum Phosphate Solution

Manufacturer / Supplier

Sauereisen
 160 Gamma Drive
 Pittsburgh, PA 15238
Emergency contact: John Kozak
Emergency Phone: (800)444-8235
Alternate Contact: Rob Bowman
Customer Service: 412 963-0303
E-Mail: jakozak@sauereisen.com

Emergency telephone number (24 hour)

Poison Control Center (Medical):1-800-222-1222
 CHEMTREC (US Transportation): 1-800-424-9300
 CHEMTREC (Canada Transportation):1-703-527-3887

2. Hazard identification

Classification of the substance or mixture**Health hazards:**

Respiratory Tract Irritation, Category 3
 Skin Irritation, Category 2
 Eye Irritation, Category 2B

Label elements

Exclamation
 mark

Signal word: WARNING**Hazard statement(s)**

H320: Causes eye irritation.
 H315: Causes skin irritation.
 H335: May cause respiratory irritation.

Precautionary statement(s)**Prevention:**

P264: Wash ... thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water/...
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P322: Specific measures (see ... on this label).
 P362: Take off contaminated clothing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor/...if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

Potential health effects

Eye: Contact causes eye irritation.

Skin: Itching or burning will occur with repeated or prolonged contact. May exacerbate existing skin conditions.

Inhalation: Causes sneezing and burning or itching in nose and throat.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Phosphoric Acid, Aluminum Salt (3:1)	< 60	13530-50-2
Phosphoric Acid	< 10	7664-38-2

4. First-aid measures

Eye: Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.

Skin: Wash contact area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse. Seek medical attention if erythema develops.

Ingestion: If Swallowed, do not induce vomiting. Immediately drink two large glasses of water or activated charcoal slurry. Seek Medical attention. Never give anything by mouth to an unconscious person.

Inhalation: If difficulty breathing, move to fresh air once. Apply artificial respiration if breathing has stopped. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Eye: Causes pain, redness and tearing.

Skin: Itching or Burning

Inhalation: Causes sneezing and burning or itching in nose and throat.

Additional information: Note: To prepare activated charcoal slurry, add 50 grams of activated charcoal to 400 ml of water and mix well.

5. Fire-fighting measures

Flammable class: NA = Not Applicable

Explosion hazards: NA = Not Applicable

Fire fighting procedures: NA = Not Applicable

Fire explosion: NA = Not Applicable

Sensitivity to static discharge: None

Sensitivity to mechanical impact: None

6. Accidental release measures

Small spill: Clean-Up Procedure: Spill area may become slippery; use care to avoid falls. Flush spill area with plenty of water.

Large spill: For spill greater than 100 gallons; isolate, dike and store discharged material, if possible. Collect with dry sand, clay or other absorbent. Flushed cleaned areas with water. Observe Environmental regulations. Wear PPE - gloves, rubber boots, and safety glasses.

7. Handling and storage

General procedures: Avoid contact with eyes, skin and clothing.

For Industrial Use only!

Do not take internally.

May cause irritation.

Wear chemical splash goggles, gloves and protective clothing.
Wash thoroughly after handling.

Conditions for safe storage: Store in a cool, dry place.

Keep container closed when not in use.

Keep away from food and drinking water.

Always mix well before using.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Chemical name	Occupational exposure limit values			
	Type		ppm	mg/m ³
Phosphoric Acid, Aluminum Salt (3:1)	ACGIH TLV	TWA		2
Phosphoric Acid	OSHA PEL	TWA		1
	ACGIH TLV	TWA		1
		STEL		
	Supplier OEL	TWA	NL	
STEL		NL		NL

Appropriate engineering controls: Normal ventilation for good working conditions should be used.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical resistant goggles and/or face shield.

Skin protection - hand protection: Suitable protective gloves (neoprene, butyl rubber, or viton). Clothing should be clean, long-sleeved workclothes. Synthetic apron. Boots. Wash thoroughly before eating, smoking, applying cosmetics, etc. Thoroughly launder work clothes before reuse. Safety shower nearby.

Respiratory protection: Use NIOSH approved mist respirator where spray occurs. For emergencies, a self contained breathing apparatus or a full-face respirator is recommended. If TLV of any component is exceeded, use appropriate respiratory protection or ventilate in accordance with OSHA Regulation 29 CFR 1910.

9. Physical and chemical properties

Chemical name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Phosphoric Acid	11	22	33	44

Appearance: Liquid

Color: Hazy to clear

Odor: No appreciable odor.

Odor threshold: NA = Not Applicable

pH: 1

Melting point: (32°F)

Freezing point: (32°F)

Initial boiling point and boiling range: (220°F)

Flash point: NA = Not Applicable

Evaporation rate (n-butyl acetate = 1): < 1

Lower explosion limit / flammability limit: NE

Upper explosion limit / flammability limit: NE

Vapor pressure: Vapor is water

Relative vapor density: Same as water vapor.

Relative density: 1.47

Solubility: Soluble

Percent volatiles: NA = Not Applicable

10. Stability and reactivity

Reactivity: Yes

Dangerous polymerization: No

Chemical stability: Stable under normal conditions of use and storage.

Conditions to avoid: Flammable hydrogen gas may be produced on prolonged contact with metals such as Aluminum, tin, lead, and zinc.

Hazardous decomposition products: None known.

Incompatible materials: Materials to avoid: Acids, salts, or alcohols may cause gel formation (non-hazardous).

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: No data available.

Acute oral toxicity LD₅₀: No data available.

Acute inhalation toxicity LC₅₀: No data available.

Serious eye damage / irritation: Eye, Skin and Inhalation Irritant.

Carcinogenicity

Chemical name	General Toxicity
Phosphoric Acid	None known.

Notes: Does not contain any substances greater than 0.1% listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union)

12. Ecological information

Aquatic toxicity, both acute and chronic: Sodium Silicate has low toxicity. TLM 96 hr in mosquitofish is 2,320 mg/L. High pH (alkalinity) of undiluted material is harmful to aquatic life.

13. Disposal considerations

Disposal methods: Comply with federal, state and local regulations. If approved, flush with water to chemical sewer. For large quantities, neutralize with dilute acid and landfill solids or flush neutral liquid to sewer with plenty of water.

Empty container: Disposal must be made according to official regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquid, Acidic, Inorganic, N.O.S.

Technical name: Aluminum Phosphate Solution

UN number: UN3264

Transport hazard class(es): 8

Packing group, if applicable: II

Hazard label: Corrosive

ICAO / IATA - air

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15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification

Corrosive

R36/37/38: Irritating to eyes, respiratory system and skin.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S7/8: Keep container tightly closed and dry.

SARA Section 311/312 Hazard Categories**311/312 Health hazards:** Irritant.**313 reportable ingredients:** There are no listed chemicals above detection limits in this compound.**Title III notes:** None above detection limits.**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

Chemical name	% w/w	CERCLA rq
Phosphoric Acid	< 10	5,000

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Phosphoric Acid, Aluminum Salt (3:1)	13530-50-2
Phosphoric Acid	7664-38-2

California Proposition 65: Known to the State of California to cause cancer or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Act of 1986".

It has not been determined and cannot be ascertained that this product would not expose users to the listed chemicals at the very low level prescribed in the regulations. Therefore, it is the user's responsibility to determine if the percent of the hazardous / carcinogenic ingredients listed elsewhere in the SDS comply with State of California regulations.

CANADA**WHMIS Hazard Symbol and Classification**

Toxic

R36/37/38: Irritating to eyes, respiratory system and skin.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S7/8: Keep container tightly closed and dry.

WHMIS Classification: Class D, Division 2, Subdivision B: Materials cause other toxic effects, toxic material.**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** Components included on inventory**16. Other information****Prepared by:** John A Kozak **Date revised:** 06/17/2020**Revision summary:** This SDS replaces the 02/05/2018 SDS.

HMIS rating

Health	<input type="text" value=""/>	2
Flammability	<input type="text" value=""/>	0
Physical hazard	<input type="text" value=""/>	0
Personal protection	<input type="text" value=""/>	C