



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Global-PPE**
Common Names: Calcium Chloride with Proprietary Performance Enhancer

Company Name: Global Stabilization
Address: PO Box 440-A
Saint Helena, CA 94574 USA

Telephone Number: 1-707-287-6111
Emergency Telephone: 1-707-287-6111
Fax number: 1-707-968-5027
Email Address: info@globalstabilization.com

Recommended use: Anti-Icing/De-icing of concrete, asphalt, gravel, driveways, sidewalks, steps, loading docks and more.

2. HAZARD IDENTIFICATION

GHS Classification

Physical hazards: Not classified
Health hazards: Eye Irritation, Category 2
Environmental hazards: Not classified
OSHA defined hazards: Not classified

GHS Label Elements:



Hazard symbol:

Signal word:

Warning

Hazard statement:

Causes serious eye irritation

Precautionary statements:

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists get medical attention.

Storage

Store away from incompatible materials

Disposal

Dispose of waste and residues in accordance with local authority requirements

Hazards not otherwise classified

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture: Mixture

Common Chemical Name: Global-PPE

Composition and content:

Material Name	CAS No.	Content
Calcium Chloride	10043-52-4	25-40%
Proprietary Performance Enhancer (PPE)		10-25%
Water	7732-18-5	Balance

Additional Comments:

Though further detail on contents may be confidential, all pertinent hazards are addressed in this SDS.

4. FIRST-AID MEASURES

Inhalation	A respirator is not indicated under normal operating conditions. Use of a NIOSH - approved respirator (N95 or greater) should be based on the presence of nuisance dusts. Remove victim from exposure to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, belt or waistband. Seek immediate medical attention.
Skin Contact	Wear appropriate protective non-leather protective gloves and boots. Wear appropriate protective, impervious clothing. Chemical protective gloves and boots such as PVC, Neoprene, or Heavy Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate and shrink with possible destruction.
Eye Contact	Wear safety glasses with non-flexible side shields or chemical goggles. A face shield should be worn if a potential for splashing or spraying exists.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Most important symptoms/effects, both acute and delayed	Irritation. No additional information available.
Indication of immediate medical attention and special treatment needed	Treat Symptomatically
Protection for first-aid workers	No action should be taken involving any personal risk or without suitable training.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Prohibited media	None Known
Specific hazards with regard to fire-fighting	No information available.
Protection for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Additional Comments	Material is a bitumen emulsion and will not ignite until water is driven off. Hazardous combustion products may include carbon monoxide and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with the skin and the eyes. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material.

Environmental precautions

Prevent product from entering storm drains, sewers, streams or other bodies of water. Inform the appropriate authorities if product has entered such areas.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium Chloride 10043-52-4	ACGIH - (TLV-TWA) Guideline for nuisance particulate (inhalable particulate): 10 mg/m ³	OSHA (PEL-TWA) - Z-3 Mineral Dusts, Inert or Nuisance dusts, (respirable fraction): 5 mg/m ³	-

Engineering Measures	When there is a potential for exposure, an emergency eyewash and safety shower should be provided within the immediate work area.
Individual protection measures, such as personal protective equipment	
Eye/Face Protection	Wear safety glasses with non-flexible side shields or chemical goggles A face shield should be worn if a potential for splashing or spraying exists.
Skin and Body Protection	Wear appropriate protective non-leather protective gloves and boots. Wear appropriate protective, impervious clothing. Chemical protective gloves and boots such as PVC, Neoprene, or Heavy Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction
Respiratory Protection	A respirator is not indicated under normal operating conditions. Use of a NIOSH - approved respirator (N95 or greater) should be based on the presence of nuisance dusts.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	
Form:	Liquid
Color:	Black (transparent)
Odor:	Mild
Odor threshold:	No data available
PH	4.6
Specific gravity (g/cm ³)	1.25 to 1.35
Density (lbs/gal)	10.68 to 11.27
Melting/Freezing point:	Not determined
Solubility in water:	Complete (100%)
Boiling point:	>100°C (>212° F)

Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas)	
Flammability Limits in Air	
Upper limit	No data available
Lower limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Solubility in other Solvents	No data available
Partition coefficient: n-octanol/water	Not determined
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	Not flammable
Explosive Properties	No data available
Oxidizing Properties	No data available
VOC Content (%)	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	Material is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Material is stable under normal temperature and pressure
Possibility of hazardous reactions: reactions will not occur.	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Conditions to avoid:	None Known
Materials to avoid:	None Known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation
Eye Contact	Irritating to eyes
Skin Contact	Slightly toxic by dermal absorption
Ingestion	May cause irritation

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Calcium Chloride	=2301 mg/kg (Rat)	=2630 mg/kg (Rat)	-

Symptoms related to the physical, chemical and toxicological characteristics No information available

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization	No information available
Mutagenic Effects	No information available
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.
Reproductive Toxicity	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Aspiration Hazard	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Fish	Toxicity to Water Flea	Toxicity to Algae
Calcium Chloride 10043-52-4	LC50 96hour =10650 mg/L static (Lepomis macrochirus)	LC50 48hour =2400 mg/L (Daphnia magna)	-

Persistence and Degradability	No information available
Bioaccumulation	No information available
Other Adverse Effects	No information available

13. DISPOSAL CONSIDERATIONS

Residues/Material Disposal Dispose of residue in accordance with local and national regulations. Do not dispose into the environment, in drains, or in water courses.

Pollution Container and Packaging Dispose in accordance to prevailing regulations, preferably to a recognized collector or contractor. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

DOT	Not regulated as hazardous materials
IATA	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods

15. REGULATORY INFORMATION

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

EPA Pesticide Registration Number	Not applicable
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16. OTHER INFORMATION

GHS SDS Version Number:	1.0
SDS Issue/Revision Date:	November 3, 2016
SDS Previous Version:	Original Version
SDS Previous Issue Date:	November 3, 2016
Uses and Restrictions:	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier.
SDS Distribution:	The information in this document should be made available to all who may handle the product.
Disclaimer:	The information provided herein is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The supplier listed above does not assume any liability for the accuracy or completeness of the information contained in this SDS. Although certain hazards are identified we cannot guarantee that these are the only hazards that exist. All materials may pose unknown hazards and should be used with caution. It is the responsibility of the end user to determine the suitability of the product for its intended use.