

1. IDENTIFICATION

Product Name: GROUND GLUE™
Product Numbers: 33101, 33109
Product Type and Use: Soil stabilizer / Dust reduction
Manufacturer: Corrosion Technologies
2850 Industrial Ln Garland, TX 75041
Telephone: 972-271-7361 Fax: 972-278-9721
Contact: CHEMTREC® USA (800) 424-9300
Emergency Telephone: Outside US +1 (703) 527-3887
Poisons Information Centre: Australia: 13 11 26
Distributor in Australia: Applied Industrial Technologies Pty Ltd
22 Stamford Road
Oakleigh VIC
Australia 3166
PO Box 1011, Huntingdale VIC 3166
Tel: +613 9567 8700
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2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)

Skin Corrosion/Irritation Category 2
Eye Irritation Category 2B

Physical Hazard(s)

None

Hazard(s) not otherwise classified

None

Labeling

Signal Word:

WARNING

Pictograms:

Exclamation mark



Statements of Hazard

Hazard Statements

Causes skin and eye irritation

Precautionary Statements

Wear protective gloves, eye and face protection. Wash thoroughly after handling. Dispose of contents and container in accordance with applicable regulations. If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention. 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Silicic acid, sodium salt	1344-09-8	35-45*

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: Causes skin and serious eye irritation. Avoid skin and eye contact. Avoid breathing mist or spray. Keep container closed.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

Skin Contact: Remove contaminated clothing. Wash with plenty of water. If skin irritation occurs: get medical attention.

Eye Contact: 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

Ingestion: Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. Rinse mouth. Call a doctor if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable: Carbon Dioxide, Dry Chemical, and Foam

Unsuitable: Alcohol, Alcohol based solutions

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc.

Hazardous Combustion/ Decomposition Products: Oxides of carbon, phosphorous, sulfur and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

Methods and materials for containment and cleaning up: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Do not store or dispense into metal containers; especially aluminum. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to local / national regulations.

7. HANDLING AND STORAGE

HANDLING

Precautions for Safe Handling: Avoid skin and eye contact. Avoid breathing mist or spray. Follow all SDS/label precautions.

STORAGE

Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container. Keep container tightly closed when not in use. Prolonged storage above 140°F. Contact with acids will cause gelling and evolution of heat. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Component	ACGIH		OSHA		STEL ppm	STEL mg/m3
	TLV ppm	TLV mg/m3	PEL ppm	PEL mg/m3		
Sodium silicate	-	2**	-	-	-	-

**No Occupational Exposure Limit assigned. An exposure limit of 2 mg/m3 (15 min TWA) is recommended by analogy with sodium hydroxide.

Engineering Controls: None required during foreseeable use conditions.

Personal Protection

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator.

Hand / Skin Protection: Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.

Eye / Face Protection: Safety glasses with side-shields.

General Hygiene Measures: Avoid contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	Autoignition Temperature:	Not applicable
Physical State:	Non-viscous liquid	Volatile by volume (%):	60
Odor:	Odorless	Vapor Density (Air=1):	1
Color:	Colorless	Evaporation Rate (BuAc= 1):	<1
Viscosity, cSt @ 40°C:	Not established	Vapor Pressure, mmHg @23°C:	21.1
cSt @ 100°C:	Not established	Solubility in water:	Complete
pH:	11.3	Octanol/Water Partition:	Not established
Boiling Point/ Range:	>200°F / 93°C	VOC Content (%):	0
Melting Point:	30°F / -1°C	Specific Gravity @15.6°C:	1.38
Flash Point:	Non-flammable	Pour Point:	>32°F / 0°C
Method:	Not applicable	Non-volatile by Volume (%):	40
Lower Explosive Limit, vol %:	Hydrogen, 4	Dielectric Strength:	Not applicable
Upper Explosive Limit, vol %:	Hydrogen, 75		

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures. Avoid prolonged storage above 140°F.

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur.

Materials to Avoid: Acids and prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals and alloys.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Not established

Ingredient Information

Sodium silicate: Ori-rat LD50 - 3400 mg/kg, Skn-rbt LD50 - 4640 mg/kg, Ihl-Rat LC50 - >2.06 g/m3

Acute Effects

Signs and Symptoms of Overexposure: Skin and eye irritation, Coughing/Sneezing

Inhalation: Mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

Skin Contact: May cause redness and itching.

Eye Contact: May cause tearing and redness.

Ingestion: May cause, nausea, vomiting and diarrhea.

Primary Route(s) of Exposure: Eyes, Skin, Inhalation

Primary Route(s) of Entry: Inhalation, Ingestion

Target Organs: skin, eyes, respiratory system

Chronic Effects: None known

Carcinogenicity: Not established

Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Inhalation LC50 (Brachydanio rerio): 1108 mg/l 96 h, Aquatic invertebrate: EC50 (Daphnia magna) 1700 mg/l 48 h
Ingredient Data: Not established
Elimination Information: Not established

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with local regulations.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed.

Road/Rail (ADG and NZS5433:2007 Transport of Dangerous Goods on Land)

Transport hazard class(es) Not regulated as dangerous goods.

Hazchem Code: 1[Z]

International Air Transport Association (IATA) – Air Transport

Transport hazard class(es) Not regulated as dangerous goods.

International Maritime Dangerous Goods Code (IMDG) – Marine Transport

Transport hazard class(es) Not regulated as dangerous goods.

Environmental hazards: Marine Pollutant: No

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not intended to be transported in bulk

15. REGULATORY INFORMATION

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
Yes	No	No	No	No

Safety, Health and Environmental Regulations/Legislation for the Substance or Mixture

Substances that deplete the ozone layer None

Persistent Organic Pollutants: None

Australia

This material is considered hazardous according to Australia Model Work Health and Safety Regulations.

This material is not regulated according to Australian Dangerous Goods Code.

Australian Inventory of Industrial Chemicals (AICIS) Listing: The chemical components contained within this product are listed on the Australian Inventory of Industrial Chemical and are in compliance with the requirements of the Industrial Chemicals Act 2019 as amended.

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

HSNO classification: 6.3A, 6.4A

HSNO Approval Number: HSR002544 - Construction Products (Subsidiary Hazard) Group Standard 2020

NZIoC (New Zealand Inventory of Chemicals): All components are listed on the NZIoC inventory or are exempt.

Classified as a Dangerous Good according to NZS5433:2007 Transport of Dangerous Goods on Land.

16. OTHER INFORMATION

Prepared by: Corrosion Technologies, Technical Services Department

Revision Date: 25 August 2023

Supersedes Date: 12 September 2017

Revision Indicator: A5GHS7

National Fire Protection Association (704)

Health: 2 Flammability: 0 Reactivity: 0 Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, (972) 271-7361.