

HI-ROAD #2551

Road Hardener and Packing Agent



Features:

- Controls erosion and dust
- Silicate-based
- Hardens roads and packs down dirt
- Non-flammable
- Non-acid formula
- Dilutes 1:1000



Description:

HI-ROAD is a road hardener and stabilizer that helps control erosion and dust in parking areas, equipment yards and other unpaved areas. Helps to eliminate potholes and keep work areas dust free. Silicate based formula ensures stability of roads. Road stabilization is crucial for the health and safety of rural communities. When roads are properly prepared and the right products are used to ensure the stability, one can breathe easier knowing that travel on roads will also be healthier for those around it as less dust will be produced from traffic.

Applications:

- Parking Areas
- Work Areas
- Bus Routes
- Equipment Yards
- Construction Sites
- Unpaved Areas
- New or Renovated Roads
- Trails and Pathways
- Campsite Access Roads

Product Characteristics:

Appearance:	Clear to Opaque Liquid
Odor:	Odorless
Melting/Freezing Point:	30°F
Initial Boiling Point/Range:	212°F (100°C)
Vapor Pressure (mm Hg):	0.00001 @ 77°F (25°C)
Specific Gravity (H ₂ O=1):	1.33-1.35
Solubility (water):	Miscible
Wetting Ability:	Saturates
Storage Stability:	1 Year +
Flammability(solid/gas):	Not considered a flammable liquid by OSHA (29CFR 1910.1200)
Flash Point:	N/D
pH:	N/D
Transport Information:	
UN Number:	N/A
Proper Shipping Name:	Liquid, Non-hazardous
Class:	None
Packing Group:	None

DOT Placard:

Not available.

Directions:

GENERAL USE: Dilute product concentrate at a rate of 1:1000 parts water. Apply with pressure sprayer and allow to penetrate.

DUST CONTROL: Dilute product concentrate at a rate of 1:1000 parts water and use solution to spray over area for dust compaction. Use product at a stronger dilution for longer dust control activity.

Pictograms:



Signal Word:

Warning

Personal Protective Equipment Required:



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2551	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	HI-ROAD	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Road Hardener and Packing Agent	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Acute Toxicity Oral: Category 4	SIGNAL WORD: WARNING.	SYMBOL:		
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HAZARD STATEMENTS:

Harmful if swallowed. This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS:

Prevention: Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

Response: If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.

Disposal: Dispose of contents in accordance with local, state and federal regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

N/A.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Silicic Acid, Sodium Salt	1344-09-8	30-40%

4. First Aid Measures

EMERGENCY OVERVIEW:

EYES: Rinse with water for 15 minutes while holding eyelids open. Seek medical attention if irritation develops and persists.

SKIN: Wash thoroughly with soap and water. Seek medical attention if irritation develops.

INHALATION:

Move to fresh air. If breathing difficulty persists, seek medical attention.

INGESTION:

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS:

Do not swallow. May be harmful if swallowed.

CHRONIC HEALTH HAZARDS:

None known.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Non-flammable liquid.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

None known.

SPECIFIC FIRE-FIGHTING METHODS:

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to section VIII for proper Personal Protective Equipment.

SPILL: Clean up using cloth or absorbent material. Dispose of product-containing wiping cloth or absorbent paper in suitable manner.

Place waste in proper containers for waste disposal.

WASTE DISPOSAL:

Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers.

RCRA STATUS:

Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage

HANDLING and storage:

Store in a cool, dry area. Keep container tightly closed when not in use. Keep out of reach of children.

OTHER PRECAUTIONS:

Keep out of the reach of children. Follow label directions exactly. Avoid contact with eyes.

INCOMPATIBILITY:

Strong oxidizing agents

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Silicic Acid, Sodium Salt	Not established.	Not established.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses should be worn during use.

Respiratory Protection: Not required with adequate ventilation.

ENGINEERING CONTROLS / VENTILATION:

Ambient ventilation adequate.

ADDITIONAL MEASURES:

None.

9. Physical & Chemical Properties

Appearance:	Clear to Opaque Liquid	Flammability(solid/gas):	Not considered a flammable liquid by OSHA (29CFR 1910.1200)
Odor:	Odorless	Flammability Limit-lower (%):	N/D
Odor Threshold:	N/D	Flammability Limit-upper (%):	N/D
pH:	N/D	Explosive Limit-Lower (%):	N/D
Melting/Freezing Point:	30°F	Explosive Limit-Upper (%):	N/D
Initial Boiling Point/Range:	Approx. 212°F (100°C)	Vapor Density (AIR=1):	N/D
Viscosity:	N/D	Vapor Pressure (mm Hg):	0.00001 @ 77°F (25°C)
Flash Point:	N/D	Solubility (water):	Miscible.
Specific Gravity (H2O=1):	1.33-1.35	Auto-Ignition Temp:	N/D
Evaporation Rate:	N/D	Decomposition Temp:	N/D
Partition Coeff(n-octanol/water) (KOW):	N/D		

10. Stability & Reactivity Information

REACTIVITY:

None known.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Avoid incompatibles.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Silicic Acid, Sodium Salt (1344-09-8) LD50 (Oral, Rat) 1.1 g/kg

PRIMARY ROUTE OF ENTRY: Eyes, Ingestion

Eyes: Causes irritation on contact.

Skin: None.

Inhalation: None. Exposure not likely.

Ingestion: Harmful if swallowed.

MEDICAL CONDITION AGGRAVATED:

None known.

ACUTE HEALTH HAZARDS:

Do not swallow. May be harmful if swallowed.

CHRONIC HEALTH HAZARDS:

None known.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

12. Ecological Information

ECOTOXICITY:

Silicic Acid, Sodium Salt (1344-09-8) LC50 (Gambusia affinis, 96hr) 1800 mg/l; EC50 (Ceriodaphnia dubia, 48hr) 0.28 - 0.57 mg/l

PERSISTENCE AND DEGRADABILITY: N/D

BIOACCUMULATIVE POTENTIAL: N/D

MOBILITY IN SOIL: N/D

OTHER ADVERSE EFFECTS: None known.

13. Disposal Consideration

WASTE DISPOSAL:

Dispose of contents in accordance with federal, state and local regulations. Do not dump in sewers.

RCRA STATUS:

Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. Transportation Information

DOT: UN Number: N/A.

UN Proper Shipping Name: Liquid, Non-hazardous.

Transport Hazard Class(es):

Class: None.

Packing Group: None.

IATA: UN Number: N/A.

UN Proper Shipping Name: Liquid, Non-hazardous.

Transport Hazard Class(es):

Class: None.

Packing Group: None.

IMDG: UN Number: N/A.

UN Proper Shipping Name: Liquid, Non-hazardous.

Transport Hazard Class(es):

Class: None.

Packing Group: None.

ENVIRONMENTAL HAZARDS WATER:

IMDG Regulated Marine Pollutant.

15. Regulatory Information

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT): None.

SARA 311/312 HAZARD CATEGORIES: None.

SARA 313 REPORTABLE INGREDIENTS: None.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.



HI-ROAD

ROAD HARDENER &
PACKING AGENT

- Controls Erosion & Dust
- Silicate-Based
- Hardens Roads & Packs Down Dirt

WARNING / ADVERTENCIA:
HARMFUL IF SWALLOWED.
DAÑINO EN CASO DE INGESTIÓN

NET CONTENTS:
55 GALLONS (208.2 L)

HI-ROAD is a road hardener and stabilizer that helps control erosion and dust in parking areas, equipment yards and other unpaved areas. Helps to eliminate potholes and keep work areas dust free. Silicate based formula ensures stability of roads.

DIRECTIONS: GENERAL USE: Dilute product concentrate at a rate of 1:1000 parts water. Apply with pressure sprayer and allow to penetrate.

DUST CONTROL: Dilute product concentrate at a rate of 1:1000 parts water and use solution to spray over area for dust compaction. Use product at a stronger dilution for longer dust control activity.

INSTRUCCIONES: USO GENERAL: Diluir el producto concentrado en una proporción de 1:1000 partes de agua. Aplicar con pulverizador de presión y deje penetrar.

CONTROL DEL POLVO: Diluir el producto concentrado en una proporción de 1:1000 partes de agua y use una solución para rociar el área de compactación de polvo. Utilice el producto a una dilución más fuerte para el control de polvo más actividad.

WARNING: HARMFUL IF SWALLOWED.

Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. Dispose of contents in accordance with local, state, and federal regulations.



ADVERTENCIA: DAÑINO EN CASO DE INGESTIÓN.

Lávese bien las manos después de manipular. No coma, beba, o fume cuando este usando este producto. Si es ingerido: Llame a un centro de envenenamientos/médico si te sientes enfermo. Enjuáguese la boca. Elimine el contenido y envase de acuerdo con las ordenanzas locales, estatales y federales.

CONTAINS (CAS#): Sodium Silicate (1344-09-8).

Made in USA

Product # 2551

Sold By:



Pro Chem, Inc.

1475 Bluegrass Lakes Parkway

Alpharetta, GA 30004

800-241-8180 | www.procheminc.com



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PACKING AGENT

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WARNING / ADVERTENCIA:
HARMFUL IF SWALLOWED.
DAÑINO EN CASO DE INGESTIÓN

NET CONTENTS:
5 GALLONS (18.9 L)

HI-ROAD is a road hardener and stabilizer that helps control erosion and dust in parking areas, equipment yards and other unpaved areas. Helps to eliminate potholes and keep work areas dust free. Silicate based formula ensures stability of roads.

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