

MATERIAL SAFETY DATA SHEET

Trade Name: **Grease Gator® Anti-Rust**

Date Prepared: **09/22/04**

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **Grease Gator® Anti-Rust**
Product description: **A 2.18 weight ratio potassium silicate, 39.2% solution in water**
Supplier: **Solvent Systems International
70 King Street
Elk Grove Village, IL 60007
Phone number: 847-437-1100
Fax number: 847-437-1101
INFOTRAC: 800-535-5053
847-437-1100**

In case of emergency call:
For customer service call:

2. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Chemical and Common Name</i>	<i>CAS Registry Number</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>
Silicic acid, potassium salt; Potassium silicate	1312-76-1	Not Established	Not Established

3. HAZARDS IDENTIFICATION

Emergency Overview: **Clear to hazy, colorless, odorless, thick liquid. Causes eye, skin, and digestive tract irritation. Spray mist causes irritation to respiratory tract. High pH is harmful to aquatic life. Noncombustible. Spills are slippery. Reacts with acids, ammonium salts, reactive metals and some organics.**

Eye contact: **Causes irritation.**
Skin contact: **Causes irritation.**
Inhalation: **Spray mist irritating to respiratory tract.**
Ingestion: **May cause irritation to mouth, esophagus, and stomach.**
Chronic hazards: **No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.**
Physical hazards: **Dries to form glass film which can easily cut skin. Spilled material is very slippery. Can etch glass if not promptly removed.**

4. FIRST AID MEASURES

Eye: **In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.**

Skin: **In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention.**

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Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammable limits: This material is noncombustible.

Extinguishing Media: This material is compatible with all extinguishing media

Hazards to fire-fighters: See Section 3 for information on hazards when this material is present in the area of a fire.

Fire-fighting equipment: The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. See section 8.

Environmental Hazards: Sinks and mixes with water. High pH of this material is harmful to aquatic life, see Section 12. Only water will evaporate from a spill of this material.

Small spill cleanup: Mop up and neutralize liquid, then discharge to sewer in accordance with federal, state and local regulations or permits.

Large spill cleanup: Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent runoff from entering into storm sewers and ditches which lead to natural waterways. Isolate, dike and store discharged material, if possible. Use sand or earth to contain spilled material. If containment is impossible, neutralize contaminated area and flush with large quantities of water.

CERCLA RQ: There is no CERCLA Reportable Quantity for this material. If a spill goes off site, notification of state and local authorities is recommended.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

Storage: Keep containers closed. Store in clean steel or plastic containers. Separate from acids, reactive metals, and ammonium salts. Storage temperature 0-95° C. Loading temperature 45-95 ° C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Respiratory protection: Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134)

Skin protection: Wear body-covering protective clothing and gloves.

Eye protection: Wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thick liquid.

Color: Clear to hazy white.

Odor: Odorless or musty odor.

pH: Approximately 11.7

Specific gravity: 1.39 g/cm₃ (20°C), 40.4° Bé, 11.56 lbs/gal

Solubility in water: Miscible.

10. STABILITY AND REACTIVITY

Stability: This material is stable under all conditions of use and storage.

Conditions to avoid: None.

Materials to avoid: Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.

Hazardous decomposition products: Hydrogen.

11. TOXICOLOGICAL INFORMATION

Acute Data: This material has not been tested for primary eye irritation. However, on the basis of its similarity to sodium silicate solutions in composition and alkalinity it is regarded as an eye irritant. When tested for primary skin irritation potential, similar potassium silicate solution produced no irritation to intact skin, but well defined irritation to abraded skin. Human experience confirms that irritation occurs when potassium silicates get on clothes at the collar, cuffs or other areas where abrasion may occur.

Subchronic Data: The acute oral toxicity of this product has not been tested.

Special Studies: The subchronic toxicity of this material has not been tested. The mutagenic potential of this material has not been tested.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: **The ecotoxicity of potassium silicate has not been tested.**
Environmental Fate: **This material is not persistent in aquatic systems, but its high pH when undiluted or unneutralized is acutely harmful to aquatic life.**
Physical/Chemical: **Sinks and mixes with water. Only water will evaporate from this material.**

13. DISPOSAL CONSIDERATIONS

Classification: **Disposed material is not a RCRA Hazardous waste.**
Disposal Method: **Neutralize with dilute acid and landfill solids in accordance with federal, state and local regulations. Flush neutral liquid to sewer accordance with federal, state and local regulations and permits.**

14. TRANSPORT INFORMATION

DOT UN Status: **This material is not regulated hazardous material for transportation.**

15. REGULATORY INFORMATION

CERCLA: **No CERCLA Reportable Quantity has been established for this material.**
SARA TITLE III: **Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313. Hazard Categories under §§311/312: Acute**
TSCA: **All ingredients of this material are listed on the TSCA inventory.**

16. OTHER INFORMATION

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO SOLVENT SYSTEMS INTERNATIONAL. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. SOLVENT SYSTEMS INTERNATIONAL MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.
