

# VIPER

## Material Safety Data Sheet

Product Name: VIPER 5064GMA/5069GMA Techguard Chemicals  
Emergency Phone: CHEMTREC - US/CN - 1-800-424-9300  
CHEMTREC - Outside US - +1-202-483-7616  
Non-Emergency - 913-310-1050

HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)  
Health: 3      Flammability: 0      Reactivity: 0

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TECHGUARD Additive 3, 5064 & 5069  
Product Description: Potassium hydroxide solution  
Manufacturer: Clore Automotive, LLC, 8600 NE Underground Dr., Kansas City, MO 64161  
24-Hour Emergency Phone: 800-424-9300, +1-202-483-7616 (CHEMTREC) (Non-emergency 913-310-1050)

HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)  
health: 3 Flammability: 0 Reactivity: 0

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS Number</u>	<u>Percent by Wt.</u>
Potassium hydroxide	1310-58-3	<10-20
Sodium Silicate	6834-92-0	<5
Potassium nitrate	7757-79-1	<5

(See section 8 for exposure guidelines.)

3. HAZARDS IDENTIFICATION

Emergency Overview:

1. Amber free-flowing liquid.
2. May cause severe irritation or chemical burns to tissues of eyes, mouth, throat and esophagus.

Potential Health Effects:

Eye Contact: Direct contact with product will cause irritation; may be severe.  
Skin Contact: Prolonged or frequent skin contact will cause irritation and may cause chemical burns.  
Inhalation: Inhalation of mist may irritate respiratory passages.  
Ingestion: Harmful if swallowed. Corrosive liquid may cause damage to tissues of the mouth, throat and esophagus.

4. FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes and seek medical attention.  
Skin Contact: Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.  
Inhalation: Remove affected person to fresh air and treat symptoms.  
Ingestion: If conscious, give water to dilute and contact physician immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: N/A, water based product  
Flammable Limits: Not Applicable  
Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical. Use extinguishing media appropriate for surrounding fire.  
Special Fire Fighting Procedures: Firefighters should wear full protective gear including self contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None known

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:

1. Asses the situation to determine if you can safely handle the spill.
2. Determine if outside help is needed
3. Wear proper protective equipment (See Section 8).
4. Dike to contain; recover all possible. Place in suitable containers.
5. Contact necessary local, state and federal authorities and dispose of in accordance with local, state and federal regulations
6. Reportable quantity of product is 668 gallons (See Section 15).

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7. HANDLING AND STORAGE

1. Store containers closed away from extreme temperatures.
2. Vent carefully when opening; alkaline corrosive liquid.
3. Keep from freezing - irreversible solubility after thawing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Potassium hydroxide:	Ceiling limit: 2 mg/m <sup>3</sup>
Sodium silicate:	Not established
Potassium nitrate:	Not established

Engineering Controls: Use adequate mechanical ventilation to remain below exposure criteria.  
Respiratory Protection: Wear NIOSH/MSHA approved respirator if the exposure criteria is exceeded.  
Eye Protection: Chemical goggles and face shield.  
Skin Protection: Impervious gloves (Rubber recommended)  
Other Protective Equipment: Eyewash and safety shower nearby. Long sleeve work shirt and pants, chemical protective apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber free-flowing liquid  
Boiling Point: >212°F  
Vapor Pressure: Not determined  
Vapor Density (air=1): Not determined  
Solubility in Water: Appreciable  
Specific Gravity: 1.19  
Percent Volatile: Not determined  
Evaporation Rate: <1  
pH: >14

10. STABILITY AND REACTIVITY

Stability: Stable  
Conditions to Avoid: Extreme heat  
Incompatibility: Acids, strong oxidizing agents.  
Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: Thermal decomposition products may include oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

No information available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Untreated product is considered an EPA corrosive hazardous waste, D002 (40 CFR 261), at disposal.  
Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Transportation and Hazardous Materials Description:  
Proper Shipping Name: Potassium Hydroxide Solution  
Hazard Class: 8  
U.N./N.A. Number: UN 1814  
D.O.T. Label: Corrosive  
Packing Group: II

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15. REGULATORY INFORMATION

CERCLA (Comprehensive Response Compensation, and Liability Act): CERCLA reportable quantity of product: 668 gal. due to potassium hydroxide.

SARA TITLE III: This product is not formulated with chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

RCRA STATUS: Untreated product is considered an EPA corrosive hazardous waste, D002 (40 CFR 261), at disposal.

Toxic Substances Control Act (TSCA): The ingredients of this product are all on the TSCA inventory list.

16. OTHER INFORMATION

The following label hazard ratings are recommended:

<u>HMIS</u>	<u>Code</u>
Health-3	4-Severe
Flammability-0	3-Serious
Reactivity-0	2-Moderate
	1-Slight
	0-Minimal

OTHER PRECAUTIONS:

For industrial use only. Keep out of reach of children.

Blended and packaged by: National-Purity, Inc., 434 Lakeside Ave. N., Minneapolis, MN 55405

The information provided in this MSDS relates only to TECHGUARD Additive 3 and may not be valid if such material is used in combination with any other material or in any process. In addition, the information contained herein is based on data made available to Clore Automotive, LLC by raw material suppliers, who can provide additional information concerning TECHGUARD Additive 3 components.

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