

VIPER

Material Safety Data Sheet

Product Name: VIPER 5065GMA/5070GMA 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

Techguard 4, □ 5065,5070

MATERIAL SAFETY DATA SHEET MSDS Part No. 804-500-000

12/16/10

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TECHGUARD Additive 4, 5065 & 5070
Product Description: Phosphoric acid 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>
Phosphoric acid	7664-38-2	10-20

(See section 8 for exposure guidelines.)

3. HAZARDS IDENTIFICATION

Emergency Overview:

- Blue/green free-flowing liquid.
- May cause severe irritation or chemical burns to tissues of eyes, mouth, throat and esophagus.

Potential Health Effects:

Eye Contact: Will cause irritation which may be severe; may cause tissue damage.
Skin Contact: Prolonged or frequent skin contact will cause irritation and may cause chemical burns.
Inhalation: Inhalation of mist may irritate respiratory passages.
Ingestion: May cause severe irritation or chemical burns 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: Not applicable
Flammable Limits: Not Applicable
Extinguishing Media: Foam, CO₂, 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:

- Asses the situation to determine if you can safely handle the spill.
- Determine if outside help is needed
- Wear proper protective equipment (See Section 8).
- Dike to contain; recover all possible. Place in suitable containers.
- Contact necessary local, state and federal authorities and dispose of in accordance with local, state and federal regulations
- Reportable quantity of product is 3056 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 containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Phosphoric Acid: Time weighted average (TWA): 1 mg/m³
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: Blue/green free-flowing liquid
Boiling Point: >212°F
Vapor Pressure: Not determined
Vapor Density (air=1): Not determined
Solubility in Water: Appreciable
Specific Gravity: 1.08
Percent Volatile: Not determined
Evaporation Rate: <1
pH: 1.2

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Extreme heat
Incompatibility: Strong Alkali.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Thermal decomposition products may include oxides of phosphorus

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: Corrosive Liquids, n.o.s., (Contains phosphoric acid)
Hazard Class: 8
U.N./N.A. Number: UN 1760
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: 3056 gallons

SARA TITLE III: Contains <20% of phosphoric acid, CAS NO. 7664-38-2, which may require reporting under Section 313 of SARA Title III and 40 CFR.

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 4 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 4 components.

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