

(株)ミスミ ツール 東京部

買株

May 20, 2009

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification:

Product Name: HIBLS
Manufacturer: AUDEC CORPORATION
No.7 Shimokawa Bldg., 19-10 Higashimagome
2-Chome, Ota-ku, Tokyo, Japan 143-0022
Emergency Phone: 03-5718-7425
Fax Phone: 03-5718-7426

2. Composition/Information on Ingredients

(See Section 8 for exposure guidelines)

<u>Component</u>	<u>By Weight</u>	<u>CAS Number</u>
Phosphoric acid	15.0%	7664-38-2
Nitric acid	6.0%	-----
Sulfuric acid	1.0%	N/A
Heavy metal acid	7.0%	N/A
Water	67.0%	-----
Oxidaizing agent	3.0%	N/A
Etc.	1.0%	

3. Hazardous Identification

Non-flammable water-based liquid.

UN number : 1805 class 8

Dangerous goods class: Corrosive

4. First Aid Measures

- Eyes:** Immediately flush with water for 15 minutes including under the eyelids. If irritation persists, seek medical attention.
- Skin:** Immediately remove clothing under safety shower.
Wash thoroughly with mild soap and water for 15 minutes.
- Ingestion:** Rinse mouth. Give copious amount of water or preferably milk.
Do not induce vomiting. Seek medical attention.
- Inhalation:** Remove to fresh air. Seek medical attention if symptoms persist.

5. Fire Fighting Measures

This water-based liquid is not flammable, and will not burn.

- Flash Point:** Not flammable.
- Flammable Limits:** Not flammable.
- Unusual Fire & Explosive Hazards:** Not flammable.
- Fire Fighting Equipment:** None required.
- Additional Notes:** ---

6. Accidental Release Measures

- Do not touch spilled material; stop leak if you can do it without risk.
- Small spills:** Flush area with flooding amount of water.
- Large spills:** Dike spill for later disposal.

7. Handling and storage

- Prevent skin and clothing contact. Store in original container.
- Provide sufficient mechanical ventilation in storage area.

8. Exposure Control/Personal Protection

- Exposure Limits:** N/A
- Ventilation:** Mechanical ventilation is required during use.
- Personal Protection:** Acid resistant gloves, Chemical splash goggles.
Wear water proof boots and long sleeve clothing.

9. Physical and Chemical Properties

Appearance:	Translucent Green	Odor:	Acid odor
Physical State:	Liquid	pH:	1.0
Vapor Pressure:	N/A	Boiling Point:	103°C
Vapor density :	Heavier(Air=1)	Freezing Point:	N/A
Solubility in Water:	∞	Specific Gravity:	1.2
Evaporation Rate:	About that of water		

10. Stability and Reactivity

HIBLS is stable. Addition of water will produce heat and may cause splashing. Incompatibility: Alkalines or base-metal can liberate hydrogen gas. hazardous polymerization will not occur.

11. Toxicological Information

Please see Section 8 for available information.

12. Disposal Considerations

Consult local, state and federal regulations for compliance.
Spread neutralizing powder on spill.
Pick up and dispose of as solid waste in a landfill.

13. Transportation Information

UN number : 1805 class 8
Dangerous goods class: Corrosive

14. Regulatory Information

15. Other Information

All reasonable care has been taken in the preparation of the information contained herein, the manufacturer extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.