

SPECTRONICS CORPORATION

MATERIAL SAFETY DATA SHEET

ACID-BUSTER, AB-4, AB-8 Effective: 04/26/06

Page 1

Supersedes: 08/12/03

Section 1. Identification of the Substance/Preparation and Company

PRODUCT NAME: ACID-BUSTER™.

DESCRIPTION: Acid Neutralizing Solution **USE:** Eliminates Acid Buildup in AC&R Systems

EMERGENCY TELEPHONE #: 800-424-9300 (24 HOURS) CHEMTREC; Call collect outside continental U.S.: 703-527-3887.

PRODUCT INFORMATION: Spectronics Corporation, 956 Brush Hollow Road, Westbury, NY 11590, 800-274-8888.

For calls originating outside continental U.S.: 516-333-4840.

Section 2. Composition/Information on Ingredients

Common Name/Chemical Name	CAS Number	% W	PEL(mg/m ³)	TLV(mg/m ³)
Lubricant Oil	Proprietary	60-80	5*	5*
Oil Additive	Proprietary	20-40	NA	NA

*Airborne Oil Mist Exposure Limits: Lubricant Oil

ACGIH TLV: 5 mg/m³, 8 hr

ACGIH STEL: 10 mg/m³

OSHA PEL: 5 mg/m³, 8 hr

Section 3. Hazards Identification

EMERGENCY OVERVIEW: May cause eye, skin and respiratory tract irritation.

Primary Routes of Exposure: Eye. Skin. Inhalation (breathing).

Eye Contact: Can cause mild irritation. **Skin Contact:** Irritation can occur following prolonged or repeated contact. **Inhalation (breathing):** Processing vapors can possibly cause irritation to the upper respiratory tract. **Ingestion (swallowing):** Ingestion can cause gastrointestinal irritation. **Aggravation of Existing Conditions:** A review of available data does not identify worsening of existing medical conditions not elsewhere mentioned in this MSDS.

HMIS HAZARD RATING: Health: 1, Fire: 1, Reactivity: 0.

Section 4. First-Aid Measures

Eye Contact: Flush eyes with water for 15 minutes. If irritation develops, consult a physician. **Skin Contact:** Wash affected area with soap and water. If irritation develops, consult a physician. **Inhalation (breathing):** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration. **Ingestion (swallowing):** If affected person is conscious, give plenty of water to drink. Do not induce vomiting.

Aspiration Hazard: If vomiting occurs, keep head lower than hips to help prevent aspiration. Call a physician immediately.

Section 5. Fire-Fighting Measures

Flash Point: 350°F (177°C); **Test Method:** ASTM D92, COC; **Explosive Limit:** Not Available. **Autoignition Temperature:** Not Determined.

Combustion and Decomposition Products: Fumes, smoke, and carbon monoxide. **Fire and Explosion Hazards:** May liberate irritating or toxic vapors during combustion or decomposition. **Extinguishing Media:** SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog, or foam.

Cool closed containers with water spray, not water jet. **Fire-Fighting Procedures/Equipment:** Fire fighters should be equipped with NIOSH-approved, positive-pressure, self-contained breathing apparatus (SCBA) and full protective clothing.

Section 6. Accidental Release Measures

Spill Containment and Recovery: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel material and absorbent into an appropriate waste container for disposal. Stop material from contaminating soil, or from entering sewer or bodies of water. **Disposal:** Dispose of in accordance with applicable local, state and federal regulations.

Section 7. Handling and Storage

Storage Conditions: Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. **Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. **Empty Container Precautions:** Do not reuse empty container for any purpose.

Section 8. Exposure Controls/Personal Protection

Engineering Controls/Ventilation: General (dilution) ventilation should be acceptable. **Eye Protection:** Wear safety goggles. An eye wash facility should be readily available. **Skin Protection:** Wear protective clothing and appropriate impervious gloves. **Respiratory Protection:** Avoid breathing vapor and/or mist. If occupational exposure limits are exceeded wear NIOSH/OSHA approved equipment. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Appearance: Clear Yellow, Amber; **Odor:** Mild petroleum; **Physical State:** Liquid; **Specific Gravity (Water=1):** 0.85 to 0.91. **Vapor Pressure** NA; **Vapor Density (Air=1):** NA; **Volatility:** NA; **Evaporation Rate:** NA; **Solubility in Water:** Insoluble; **pH:** NA; **Boiling Range:** NA; **Viscosity:** 28.7 to 32.6 cSt @ 40°C.

Section 10. Stability and Reactivity

Chemical Stability: Stable; **Conditions to Avoid:** Excessive heat. **Incompatibility with Other Materials:** Oxidizers; **Hazardous Polymerization:** Will not occur. **Hazardous Decomposition Products:** Combustion may produce carbon monoxide and other asphyxiants.

Section 11. Toxicological Information

Acute Toxicity: Minimal irritation on contact. **Chronic Toxicity:** This product has not been found to be carcinogenic or a potential carcinogen. It is not listed by NTP, IARC, OSHA, or ACGIH. Nevertheless, good industrial hygienic practices are recommended.

Section 12. Ecological Information

No specific data are available.

Section 13. Disposal Considerations

Disposal: Dispose of in accordance with all local, state, and federal regulations. **General Statements:** Federal regulations may apply to empty container. State and/or local regulations may be different. **Special Instructions:** Keep out of waterways. Be sure to contact the appropriate government environmental agencies if further guidance is required.

Section 14. Transport Information

DOT Shipping Name: Not regulated; **DOT Label:** Not regulated; **DOT Identification No.:** Not Applicable; **WHMIS Label:** Not regulated;

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Page 3

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Section 15. Regulatory Information

U.S. Federal Regulatory Information:

This product is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III Information:

Ozone-Depleting Chemicals: No regulated ingredients. **Section 302-Extremely Hazardous Substances:** No regulated ingredients. **Section 302 Section 311/312-Hazard Categories:** Fire Hazard: Yes; Sudden Release of Pressure Hazard: No; Reactivity Hazard: No; Immediate (Acute) Health Hazard: Yes; Delayed (Chronic) Health Hazard: No. **Section 313-Toxic Chemicals:** No regulated ingredients.

TSCA: The chemical components of this product are contained on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

CERCLA: No regulated ingredients.

State Right-To-Know:

Pennsylvania - New Jersey R-T-K: No regulated ingredients

NAME	CAS NO.	% W
Lubricant Oil	Proprietary	60-80
Oil Additive	Proprietary	20-40

California - California Proposition 65 - No regulated ingredients.

CONEG: No regulated ingredients.

CEPA DSL: No regulated ingredients.

Australia (NICNAS): In compliance.

Korea (TCCL): In compliance.

Phillippines (RA6969): In compliance.

MITI: Not determined

EINECS: Not determined.

Section 16. Other Information

USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the users to comply with all applicable federal, state and local laws and regulations.

NA = Not Available

End of Material Safety Data Sheet