

MATERIAL SAFETY DATA SHEET

Actidose-Aqua

Creation Date: 10-25-1990
Last Revision: 01-27-1999

Revision Date: 04-25-2006

SECTION 1: PRODUCT IDENTIFICATION

| | |
|------------------------|-------------------------------|
| Product Name | Actidose-Aqua |
| Common Name/Trade Name | NA |
| Manufacturer | Paddock Laboratories, Inc. |
| Synonyms | Activated Charcoal Suspension |
| Chemical Name | NA |
| Chemical Family | NA |
| Chemical Formula | NA |

SECTION 2: COMPOSITION AND INGREDIENTS

| CHEMICAL NAME | CAS# | % | OSHA PEL | ACGIH TLV | IDLH |
|-----------------------------|-----------|----|----------|-----------------------------|------|
| Activated Charcoal USP | 7440-44-0 | 16 | NA | NA | NA |
| Sucrose NF | 57-50-1 | * | NA | 10 mg/m ³ (dust) | NA |
| Propylene glycol USP | 57-55-6 | * | NA | NA | NA |
| Glycerin USP | 56-81-5 | * | NA | 10 mg/m ³ (mist) | NA |
| Purified water USP | 7732-18-5 | * | NA | NA | NA |
| Citric Acid USP (Anhydrous) | 77-92-9 | * | NA | NA | NA |

* Specific amount is considered proprietary information.

SECTION 3: HAZARDS IDENTIFICATION

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|---|--|
| Potential Acute and Chronic Health Effects | May cause dehydration and gastrointestinal irritation. |
| Pregnancy Comments | NA |

SECTION 4: FIRST AID MEASURES

| | |
|----------------------|--|
| Skin Exposure | Wash with soap and water. If irritation develops or persists, seek medical attention. |
| Eye Exposure | Flush with water for 15 minutes. If irritation develops or persists, seek medical attention. |
| Inhalation | If victim is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately. |
| Ingestion | Seek medical attention or contact a poison control center immediately. |

SECTION 5: FIRE / EXPLOSION HAZARDS & FIREFIGHTING MEASURES

| | |
|--|--|
| Flammability of the Product | NA |
| Auto-ignition Temperature | NA |
| Flash Points | NA |
| Flammable Limits (in air by volume, %) | Lower: NA Upper: NA |
| Fire Extinguishing Equipment | Use extinguishing agent suitable for type of surrounding fire. Water Spray: NA Foam: NA Carbon Dioxide: OK Dry Chemical: OK Other: NA |
| Unusual Fire and Explosion Hazards | May emit toxic carbon monoxide and carbon dioxide fumes if heated. |
| Explosion Hazards in presence of Various substances | NA |
| Firefighting Procedures | Firefighters should wear full protective gear including self contained breathing apparatus. |

SECTION 6: SPILL AND LEAK PROCEDURES

Spills

Wear all protective gear including goggles and gloves. Contain spill, mop up with an absorptive material and place in tight container for disposal. Wash spill area with soap and water.

SECTION 7: HANDLING AND STORAGE

Work and Hygiene Practices

Avoid contact with eyes, skin or clothing. Wash hands thoroughly after handling and contaminated clothing before reuse.

Storage and Handling Practices

Avoid exposure to temperatures below 7°C (45°F) and above 32°C (90°F).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

No special ventilation required under normal use conditions.

Personal Protection

Respiratory Protection

None required under normal circumstances.

Eye Protection

Safety glasses or goggles.

Hand Protection

Latex gloves recommended.

Body Protection

Appropriate laboratory apparel.

SECTION 9: PHYSICAL / CHEMICAL PROPERTIES

Physical state and appearance

Smooth, black, somewhat viscous suspension with a slightly sweet taste.

Molecular Weight

NA

Boiling Point

95-98°C

Vapor Density (AIR=1)

NA

Vapor Pressure (mm Hg)

NA

Melting/Freezing Point

NA

pH

NA

Water Solubility

Miscible

| | |
|------------------------------------|----------|
| Specific Gravity (Water =1) | >1 |
| Water Reactivity | No |
| Volatility | NA |
| Odor | Odorless |

SECTION 10: STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Stability | Stable |
| Incompatible Temperature | NA |
| Incompatible Materials | None known. |
| Conditions of Instability | NA |
| Hazardous Polymerization | Will not occur. |
| Hazardous Decomposition | May emit toxic fumes if heated to decomposition. |
| Conditions to Avoid | NA |

SECTION 11: TOXICOLOGICAL INFORMATION

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|-------------------------------|--|
| Toxicity | LD ₅₀ : Oral (rat) = >10 gm/Kg (charcoal) |
| Suspected Cancer Agent | No |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|-----------------------------------|----|
| Environmental Stability | NA |
| Ecotoxicity | NA |
| Products of Biodegradation | NA |
| Special Remarks | NA |

SECTION 13: WASTE DISPOSAL

Dispose of material according to local, state, federal and environmental disposal regulations or company operating procedures.

SECTION 14: TRANSPORTATION INFORMATION

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|------------------------------|----|
| DOT classification | NA |
| Identification | NA |
| DOT Label(s) Required | NA |

SECTION 15: REGULATORY INFORMATION**SARA**

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|--------------------------------------|----|
| Federal and State Regulations | NA |
| U.S. TSCA Inventory Status | NA |

SECTION 16: OTHER INFORMATION

DEFINITIONS OF ABBREVIATIONS USED:

| | |
|------------------------|---|
| ACGIH | American Conference of Governmental Industry Hygienists |
| CAS | Chemical Abstract Service |
| IARC | International Agency for Research on Cancer |
| IDLH | Immediately Dangerous to Life or Health Level |
| LC₅₀ | Medial Lethal Concentration |
| LD₅₀ | Medial Lethal Dose |
| MSHA | Mine Safety and Health Administration |
| NA | Not Available |
| ND | No Data |
| NE | Not Established |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| SARA | Superfund Amendments and Reauthorization Act |
| STEL | Short Term Exposure Limit |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |

SECTION 17: DISCLAIMER

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