MATERIAL SAFETY DATA SHEET
May be used to comply with OSHA's

IDENTITY (As used on Label and List)

Super Orth

Note: Blank spaces are not permitted. If any item is not applicable, or information is available, the space must be marked to indicate that.

SECTION 1. Company Identification
MANUFACTURER'S NAME
ADVANCED BLENDING
ADDRESS
645 TOWER DR.
KENSALDLE, TX 75060

EMERGENCY TELEPHONE NUMBER
817-372-7222 (8:30-5 pm CST)
NUMBER FOR INFORMATION
same
Date Prepared: 3/4/01

SECTION 2. Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity; Common Names) OSHA PEL AGGHI TLV OTHER LIMITS
Sodium Hydroxide CAS 1310-73-2 NA NA NA NA

SECTION 3. Hazardous Information
This product is considered hazardous according to the US Department of Transportation.

SECTION 4. Physical Characteristics
Boiling Point: N/A Specific Gravity (H2O = 1): NA Vapor Pressure (mm Hg): NA Melting Point: NA Vapor Density (Air=1): NA

Evaporation Rate (Butyl Acetate = 1): NA Solubility In Water: Complete Appearance & Odor: White powder with no odor

SECTION 5. Fire & Explosion & Hazard Data
Flash Point (Method Used): NA Flammable Limits NA: NA: NA: NA: NA
Extinguishing Media: Not combustible. Not applicable
Special Fire Fighting Procedures: Extinguish fire using agent suitable for surrounding fire. Use water spray to keep container cool. Keep away from direct contact with material.

SECTION 6. Reactivity Data
Stability: Sh more reactive. Conditions to Avoid: Contact with acids, flammable liquids, organic halogen compounds, nitro compounds, and amphoteric metals such as aluminum, magnesium, and zinc. Incompatibility (Materials to Avoid): Strong alkali. When in contact with water, may generate sufficient heat (with splattering) to ignite combustible materials. Reacts with some metals producing hydrogen, a flammable gas, when moist. Hazardous Decomposition or Reactions: None Hazardous Polymerization: Will Not Occur

SECTION 7. Health Hazard Data
Routes of Entry: Eyes X Inhalation X Skin X Ingestion X
Health hazard (Acute & Chronic): This product is corrosive. Causes severe eye and skin burns. Inhalation of mist and dusts can cause burns of the nasal passage, severe irritation of the respiratory tract and gastrointestinal tract damage. May cause pulmonary edema. Causes intense irritation and burns to the eyes and eyelids. Potential loss of sight. Intense irritation and burns reddening and swelling to the skin. Deep abrasions, difficult to heal. Upon contact with product in solution, the skin becomes "snowy" to the touch. Intense irritation and burns to the mouth, throat, esophagus and stomach. Irritation of conjunctivae in animals and humans. Cardiogenicity: None AARC Monographs

SECTION 8. First Aid Measures
Ingestion: IN ALL CASES, CALL A PHYSICIAN IMMEDIATELY. REQUEST AMBULANCE TRANSPORT TO NEAREST HOSPITAL. Do not attempt to give anything by mouth to an unconscious person. Treat for shock. Eyes: Immediately flush with a directed stream of water for at least 15 minutes holding the eyelid apart the ensure complete irrigation of the eye. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET IMMEDIATE MEDICAL ATTENTION. Skin: IMMEDIATELY, flush thoroughly with cool water under shower while removing contaminated clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse. GET IMMEDIATE MEDICAL ATTENTION. Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 9. Precautions for Safe Handling & Use
Steps to be taken in case material is released or spilled: If spilled, steps should be taken to contain spill. Clean area of spill immediately. Follow protective measures provided under Control Measures in Section 10. Precautions to be taken in handling or storing: For best product performance store in cool, dry area. Other Precautions: Keep out of the reach of children.

SECTION 10. Control Measures

SECTION 11. Toxicological Information
Prolonged exposure to high concentrations might cause irritation of nasal passages and lung irritation.

SECTION 12. Ecological Information
There is limited information available on the environmental fate and effects of this material. It is insoluble in water. This compound is alkaline and may raise the pH of surface waters with low buffering capacity if spilled. Due caution should be exercised to prevent the accidental release of this material to the environment. In concentrated form, this product may show trace levels of toxicity to aquatic organisms.

SECTION 13. Disposal Considerations
Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

SECTION 14. Transportation Information
Corrosive solid, Not 8, Sodium Hydroxide UN 1739 PGI 1 Class 5

SECTION 15. Regulatory Information
We request that you make all this information in this Material Safety Data Sheet available to all employees.

SARA TITLE III HAZARD CATEGORIES: If the word "yes" appears next to any category, this product may be reportable by you under the requirements of 40 CFR 370. Please consult those regulations for details.

Immediate (Acute) Health: No Fire Hazard: No Reactive Hazard: No Sudden Release of Pressure: No

HSMN HAZARD RATING: Health Hazard: 1 Fire Hazard: 0 Reactivity: 1

INTERNATIONAL REGULATIONS: Consult the regulations of the importing country.
SECTION 16. Other Information

MSDS LEGEND: CAS = Chemical Abstracts Service Registry Number
Ceiling Limit = Ceiling Limit (15 Minutes) OSHA = Occupational Safety and Health Administration
TTLV = Threshold Limit Value (ACGIH)
ACGIH = American Conference of Governmental Industrial Hygienists

IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state, or local laws, rules, regulations or ordinances.