

MATERIAL SAFETY DATA SHEET

Prepared: 27 October 2008

Section 1 – Product and Company Identification

Product(s): ARMADILLO TOWELS
Formula: Cleaner&Protectant
Type: Wipes

Sold By: Continental Research Corp.
PO Box 15204
St. Louis, Mo. 63110
800-325-4869

Emergency Numbers: **IN CASE OF EMERGENCY, CALL Chem-Tel 800-255-3924**

Section 2 – Hazards Identification

WARNING. Direct eye contact with towel causes eye abrasion and irritation. May be harmful if swallowed. May cause skin irritation.

Potential Health Effects

EYES: Causes eye abrasion and irritation.

SKIN: May cause skin irritation.

INHALATION: Overexposure to vapors (unlikely) may cause central nervous system effects.

INGESTION: May be harmful if swallowed.

Signs/symptoms of exposure: redness, tearing or burning in eyes. Redness, drying or cracking of skin. Irritation of the throat or stomach, nausea, vomiting, diarrhea if swallowed. Overexposure to vapors (unlikely) may cause central nervous system effects such as drowsiness, dizziness, fatigue or loss of coordination. Medical conditions generally aggravated by exposure: pre-existing skin conditions such as dermatitis may be adversely affected by this and other oil and grease effective cleaners. Persons with pre-existing liver and kidney conditions should follow good chemical hygiene practices to avoid complications.

HMIS Rating Health – 1 Flammability – 1 Reactivity – 0 Personal Protection – None

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Water	7732-18-5	40 – 70
Polydimethylsiloxane	63148-62-9	15 – 40
Methoxyisopropanol	107-98-2	1 – 5
Propylene Glycol	57-55-6	1 – 5
C12-15 Pareth-7	68181-62-9	0.5 – 1.5

Any substance listed as hazardous by the states of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section 4 – First Aid Measures

EYES: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

SKIN: Flush with plenty of water for at least 15 minutes while removing contaminated clothing. If irritation arises and persists seek medical attention.

INHALATION: Unlikely route as liquid is impregnated on a towel, minimizing exposure via this route. If overexposed move to fresh air. If symptoms develop seek medical attention.

INGESTION: Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC): None to boiling, solution on towel.
Extinguishing Media: Dry chemical, carbon dioxide, foam, fog or water spray. If plastic material is ignited, it is difficult to extinguish.
Special Fire Fighting Procedures: Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways.
Hazardous Products of Combustion: Carbon monoxide, carbon dioxide, silicone dioxide, formaldehyde (>300°F), hydrogen sulfide, sulfur dioxide, smoke, soot and various organic oxidation by-products.

Section 6 – Accidental Release Measures

Small spill: Caution, slip hazard. Wipe up small releases with a dry absorbent cloth or other absorbent material.
Large spill: Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and drains. Ventilate area and block traffic. Transfer contaminated material into suitable container for proper disposal. Clean any slippery residues with soap and water.

Section 7 – Handling and Storage

Handling: Do not allow towel contact with eyes. Wash thoroughly after handling. Avoid swallowing. Avoid contact with skin and clothing. Avoid inhaling vapors. Do not smoke while using. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage: Keep container closed when not in use. Keep away from heat sources. Store in a cool well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Keep from freezing.

Section 8 – Exposure Controls/Personal Protection

Engineering controls: Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits: Methoxyisopropanol (CAS# 107-98-2)=100 ppm ACGIH-TLV; 150 ppm STEL
Eye protection: None necessary. Do not allow towel to directly contact eyes.
Skin protection: None necessary. If repeated or prolonged contact is possible, wear impervious gloves.
Respiratory protection: Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor: Thin, white opaque liquid with minimal scent saturated onto towels.
pH: 7.7 +/- 0.5 **Boiling Point:** 212 F **Specific Gravity:** 0.995
Vapor Density: >1 **Vapor Pressure:** No Data **Solubility in Water:** Dispersible
Evaporation Rate: No Data **Volatile Organic Compounds (VOCs):** 2.95% by weight

Section 10 – Stability and Reactivity

Hazardous Polymerization: This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, silicone dioxide, formaldehyde (>300°F), smoke, soot and various organic oxidation by-products.
Chemical Stability: Stable
Incompatible Materials: Strong oxidizers, strong acids and bases, lime, ammonia, organic amines, chlorates, chlorine, sodium hydroxide.

Section 11 – Toxicological Information

Methoxyisopropanol, CAS# 107-98-2
 Dermal LD50 13,000 mg/kg, rabbit, Oral LD50 7200 mg/kg, rat

Section 12 – Ecological Information

No data.

Section 13 – Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal regulations.

Waste information: If this product becomes a waste, it would not be hazardous as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Not Regulated	None	None
Water Transportation	None	Not Regulated	None	None
Air Transportation	None	Not Regulated	None	None

Marine Pollutants: None

Section 15 – Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

None

State and Local Regulations

California Proposition 65

WARNING: This product contains a trace chemical (Acetaldehyde) known to the State of California to cause cancer, and/or birth defects or other reproductive harm.

Section 16 – Other Information

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.