

# MATERIAL SAFETY DATA SHEET

Date PREPARED:5-26-05

(Prepared According to 29CFR 1910.1200)

Product Code: 111

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Company: ABM-Solutions, Inc.

Emergency Phone: 916-348-5554

Address: 4540 Wrenford way Sacramento, CA 95842

Product Name: Nova Spa

Product Type: All Natural In house Spa water conditional

## SECTION 2: INGREDIENTS

CHEMICAL NAME

N/A

FORMULA: Proprietary

COMPLIES WITH OSHA 29 CFR - 1910.1200 SECTION (i) "TRADE SECRETS", CONTAINS NO HAZARDOUS COMPONENTS UNDER CURRENT OSHA DEFINITIONS.

**100% BIOBASED/ ALL NATURAL** Product ingredients: Agar CAS 9002-18-0, Lanolin CAS 8006-54-0, Glycerin CAS 56-81-5

Note: All ingredients contained are GRAS listed and Medial grade/ Food grade.

## SECTION 3: PHYSICAL DATA / CHEMICAL PROPERTIES

BOILING POINT 240 F FREEZING POINT 32F SPECIFIC GRAVITY 1.054 VAPOR PRESSURE 14mm Hg  
(H2O = 1) \*NE = Not Established VAPOR DENSITY 1.2 SOLUBILITY Complete at 25C  
(Air = 1) WATER, % by wt.98.7% EVAPORATION RATE : < 1  
APPEARANCE AND ODOR Yellow gel, with pleasant smell Odor. PH 10.5 Dissolved Oxygen 7.6 mg/l  
Total Suspended Solids 345.0 mg/l Total Dissolved Solids 2025.0 mg/l Volatile Suspended Solids 302.5 mg/l

## SECTION 4: FIRST AID MEASURES

SWALLOWING No harmful effects expected.  
SKIN Rinse with water.  
INHALATION No emergency care anticipated.  
EYES Flush with water.

### NOTES TO PHYSICIAN

Long term, widespread usage and review of ingredients indicate this product to be generally regarded as a safe (GRAS) product. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

## SECTION 5: FIRE AND EXPOSION HAZARD DATA

FLASH POINT NE >250.0 F  
FLAMMABLE LIMITS LOWER N/A UPPER N/A  
EXTINGUISHING MEDIA water spray, fog, foam, dry chemical or carbon dioxide  
SPECIAL FIRE FIGHTING PROCEDURES N/A UNUSUAL FIRE & EXPLOSION HAZARD N/A

## SECTION 6: HEALTH HAZARD DATA

### EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING No evidence of adverse effects.  
SKIN ABSORPTION No evidence of adverse effects.  
INHALATION No evidence of adverse effects.  
SKIN CONTACT Patch test 24,48,72 on Virgin site .0 Product does not indicate a potential for serve dermal irritation or sensitization index .38  
EYE Irritation 24 hrs washed .0 washed .0 Unwashed 24 hrs .3 48 hrs .3 72 hrs .0  
AFFECTS OF REPEATED EXPOSURE No evidence of adverse effects.  
OTHER HEALTH HAZARDS Bio research Laboratories 10-30-1995 Potential for slight irritation , rarely irritating to people,  
No warning label required.

### Carcinogens and Toxins:

**Does not contain any known or suspected human carcinogens in concentrations equal to or greater than .0001% (by weight) as defined in: Code of Federal Regulations 29 CFR 1910.1000 series, OSHA).**

## SECTION 7: HANDLING AND STORAGE

Safe handling procedures: None  
Storage requirements: Store in a cool, well-ventilated area. Avoid low temperatures.

## SECTION 8: STABILITY AND REACTIVITY

Stability and reactivity: Stable at room temperature, in normal handling and storage conditions.  
Polymerisation: Hazardous polymerisation will not occur.  
Conditions to avoid: None reported  
Materials to avoid: None reported  
Hazardous decomposition products: None reported

## SECTION 9: TOXICOLOGICAL INFORMATION

Exposure limits: N/Av for the product. For more details, refer to Section 3.  
Carcinogenicity: **No ingredient listed by IARC, ACGIH, NTP and OSHA as a carcinogen.**  
Teratogenicity, mutagenicity, other reproductive effects: N/Av  
Skin sensitization: See above in section 6  
Respiratory tract sensitization: N/Av  
Synergistic materials: N/Av

## SECTION 10: ECOLOGICAL INFORMATION

|  |  |
|--|--|
| Environmental effects:                   | Fish study on record Passed EPA Rainbow trout requirement.   |
| Important environmental characteristics: | N/Av   |
| Aquatic toxicity:                        | Rainbow Trout study on file: lethal to rainbow trout at concentrations greater than 10,000ppm<br>Current concentration levels sold do exceed 100ppm : Passed Discharge standards for EPA on Federal and State levels |
| Chemicals contained                      | DOES NOT contain Class I or Class II Ozone depleting substances as defined by 40 CFR 82 equal or greater 1.0 % Wt.   |

## SECTION 11: DISPOSAL CONSIDERATIONS

|                            |  |
|----------------------------|--|
| Personal precautions:      | Evacuate the spill area as floor may be slippery. Use care to prevent falling. |
| Spill response/Cleanup:    | Flush area with water.   |
| Environmental precautions: | Dispose of as per local, state and federal regulations.                        |

Chemicals contained are not listed as Hazardous waste in accordance with 40 CFR 261

Volatile Organic Compounds (VOC's) VOC levels of DDC by weight of the Spa Magic or Penetrating cleanser do not exceed .000% in accordance with 40 CFR Parts 9 and 59.Est. tested amount our product < .000001mHg .

## SECTION 12: TRANSPORT INFORMATION

Transportation of Dangerous Goods (TDG) : Not Regulated

## SECTION 13: REGULATORY INFORMATION / AGENCY APPROVALS

1) Spa Magic , Penetrating Spa Cleanser, Carpet Clean has been tested by the Department of Agriculture's office of Energy Policy through a cooperative Agreement with Iowa State University. Results 3-25-05 100%. Bio Base material . Meeting Preferred Procurement Program (FB4P).

### Government Hazard Rating      ABM-Solutions, Inc-Safety Rating

|                   |            |   |
|-------------------|------------|---|
| 4 = EXTREME       | FIRE       | 0 |
| 3 = HIGH          | REACTIVITY | 0 |
| 2 = MODERATE      | TOXICITY   | 0 |
| 1 = SLIGHT        | SPECIAL    | 0 |
| 0 = INSIGNIFICANT |            |   |

**\*Contains no ingredients listed on OSHA hazardous material list, however, use normal precautions while diluting from concentrate.**

### OTHER INFORMATION

No other health hazard is connected with this product. There are no toxic chemicals, no carcinogenic toxic agents, reproductive toxins, irritants, corrosive, sensitizers, Hepatotoxins, Nephrotoxins, neurotoxins, or agents which act on the hemato-poietic (blood) system, or the damage lungs, skin, eyes, or mucous membranes.

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The above, set forth in technical data supplied to the Manufacturer, has been edited to avoid disclosure of proprietary information and avoid redundancy. All inquires concerning the content of this document should be directed to the Distributor or Manufacturer.

## SECTION 14: OTHER INFORMATION

### Abbreviations:

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS   | Chemical Abstract Service                                 |
| IARC  | International Agency for Research on Cancer               |
| LC    | Lethal concentration                                      |
| LD    | Lethal Dosage   |
| NIOSH | National Institute for Occupational Safety and Health     |
| NTP   | National Toxicology Program (U.S.A.)                      |
| OSHA  | Occupational Safety and Health Administration (U.S.A.)    |
| PEL   | Permissible Exposure Limit                                |
| STEL  | Short-term Exposure Limit                                 |
| TLV   | Threshold Limit Value                                     |
| TWA   | Time Weighted Average                                     |
| WHMIS | Workplace Hazardous Materials Information System          |
| N/A   | Not Applicable  |
| NE    | None Established  |
| N/Av  | Not Available   |