

MATERIAL SAFETY DATA SHEET

Date PREPARED:7-18-07

(Prepared According to 29CFR 1910.1200)

Product Code: 179R

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Company: ABM-Solutions, Inc

Emergency Phone: 916-348-5554

Address: 4540 Wrenford way Sacramento, CA 95842

Product Name: Heavy-duty Tile, Grout, & Natural Stone Cleaner/Degreaser #179 (Ready to Use) (Non-concentrated) Product Type: Cleaner/Degreaser

Blended by: Chemical Compounding Company, Oakland CA. and Bottled by Better Bio-Solutions, LLC Portland Oregon

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 Product ingredients: Alkanoamines, amino acids, hydrogenated corn oil, nonionic surfactants, and plant based fatty acids, organic alcohol in base of colloidal micelles.

Note: **All ingredients contained are approved as Organic Materials as reviewed by Institute for organic crop production. (O.C.P.) or GRAS listed.**

SECTION 3: PHYSICAL DATA / CHEMICAL PROPERTIES

BOILING POINT (H ₂ O = 1) (Air = 1)	214.40 F	FREEZING POINT *NE = Not Established	28F	SPECIFIC GRAVITY 1.025	VAPOR PRESSURE *NE
APPEARANCE AND ODOR		WATER, % by wt. *NE		VAPOR DENSITY*NE	SOLUBILITY Complete
		Slightly Golden Brown,		EVAPORATION RATE	*NE
				Faint Odor.	PH 7.6
					VOC's (NONE) 0%

SECTION 4: FIRST AID MEASURES

SWALLOWING	Consult with a doctor.
SKIN	Rinse with water.
INHALATION	No emergency care anticipated.
EYES	Flush with clean water for 5 minutes.

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 EXPOSITION HAZARD DATA

FLASH POINT	NE >200.0 F
FLAMMABLE LIMITS	LOWER N/A UPPER N/A
EXTINGUISHING MEDIA	N/A
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	No evidence of adverse effects.
EYE CONTACT	Hold eye open and rinse slowly and gently with clean water for 5 minutes.
AFFECTS OF REPEATED EXPOSURE	No evidence of adverse effects.
OTHER HEALTH HAZARDS	None currently known.

Carcinogens and Toxins:

Does not contain any known or suspected human carcinogens in concentrations equal to or greater than .01% (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 product	None reported

SECTION 9: TOXICOLOGICAL INFORMATION

Exposure limits:	N/A 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/A
Skin sensitization:	N/A
Respiratory tract sensitization:	N/A
Synergistic materials:	N/A

SECTION 10: ECOLOGICAL INFORMATION

Environmental effects:	N/A
Important environmental characteristics:	N/A
Aquatic toxicity:	N/A
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 cleaner does not contain any in accordance with 40 CFR Parts 9 and 59.Est.

SECTION 12: TRANSPORT INFORMATION

Transportation of Dangerous Goods (TDG) : Not Regulated

SECTION 13: REGULATORY INFORMATION / AGENCY APPROVALS

- 1) Passed Department of Agriculture's office of Energy Policy through a cooperative Agreement with Iowa State University. Results 80%. 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 damage lungs, or skin.

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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 to 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 Government al 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