U. S. ENVIRONMENTAL PROTECTION AGENCY

NATURAMA G3 A-5

TECHNICAL PRODUCT BULLETIN # sw-53
USEPA, OIL PROGRAM CENTER
ORIGINAL LISTING DATE: JANUARY 26, 2011
"MATURAMA G3 A-5"

I. NAME, BRAND, OR TRADEMARK

NATURAMA G3 A-5
Type of Product: Surface Washing Agent

II. NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER/CONTACT

Green Life Development, Inc.
5316 W. Charleston Boulevard
Las Vegas, NV 89146
Phone: (702) 966-1284
Mobile: (702) 355-5102
Fax: (702) 448-6977
E-mail: david@greenlifedevelopment.com
Website: www.greenlifedevelopment.com
(Mr. David A. Levy)

III. NAME, ADDRESS, AND TELEPHONE NUMBER OF PRIMARY DISTRIBUTORS

Green Life Development, Inc.
5316 W. Charleston Boulevard., Suite C
Las Vegas, NV 89146
Phone: (702) 966-1284
Mobile: (702) 355-5102
Fax: (702) 448-6977
E-mail: david@greenlifedevelopment.com
Website: www.greenlifedevelopment.com
(Mr. David A. Levy)

IV. SPECIAL HANDLING AND WORKER PRECAUTIONS FOR STORAGE AND FILED APPLICATION

1.Flammability: Non-flammable (DOT: Non-hazardous)
2.Ventilation: No special requirements.
3.Skin and eye contact; protective clothing; treatment in case of contct: No special equipment or clothing is required: however, goggles are recommended. If eye or skin irritation occurs, flush with plenty of water.
4.a. Maximum storage temperature: 120° F continuous, 140 F up to 5 days
4.b. Minmum storage temperature: 35° F
4.c. Optimum storage temperature range: 40° F to 120° F
4.d. Temperatures of phase separations and chemical changes: Stable

4.b. Minimum storage temperature: 35°F
4.c. Optimum storage temperature range: 40°F to 120°F
4.d. Temperatures of phase separations and chemical changes: Stable

V. SHELF LIFE

NATURAMA G3 A-5 has unlimited shelf life in sealed poly drums.

VI. RECOMMENDED APPLICATION PROCEDURE

1. Application Method: Product may be applied by any method (e.g., drum pump, pressurized spray applicator, brush, or aqueous wash tank), depending on the surface; and type and viscosity of the oil/contamination to be treated.
2. Concentration/Application Rate: The dilution ratio depends on the amount and type of contamination to be removed. For light contamination areas a 1:6 dilution ratio (product to fresh/salt water) with a 2-3 minutes wait. For heavier/thick/burnt contamination, the exact ratio should be determined by the field coordinator but a general starting point of 20-25% should remove most contamination (grease, burnt oil, diesel, tar, etc.) after a contact time of 10-15 minutes before rinsing with water/steam.
3. Conditions for Use: Cleanup residue must be collected and should be disposed of in accordance with local, state, and federal regulations. Where possible, the product/oil mixture can be recovered and processed using an oil separator system or a stagnant tank. A circulating wash tank fitted with an oil separator or filter system extends the life of NATURAMA G3 A-5 by weeks, greatly impacting the waste reduction.

VII. TOXICITY AND EFFECTIVENESS

a. Toxicity:

Material Tested	Species	LC50 (ppm)
NATURAMA G3 A-5	Menidia beryllina Mysidopsis bahia	577.68 96-hr 482.97 48-hr
No. 2 Fuel Oil	Menidia beryllina Mysidopsis bahia	2.39 96-hr 0.32 48-hr
NATURAMA G3 A-5 & No. 2 Fuel Oil (1:10)	Menidia beryllina Mysidopsis bahia	3.68 96-hr 2.24 48-hr
Reference Toxicant (SLS)	Menidia beryllina Mysidopsis bahia	12.25 96-hr 12.08 48-hr

b. Effectiveness:

NA

VIII. MICROBIOLOGICAL ANALYSIS

NA

IX. PHYSICAL PROPERTIES

1. Flash Point: >93°C
2. Pour Point: +28°F
3. Viscosity: 1.3628 cst @ 40°C
4. Specific Gravity: 1.006 @60°F
5. pH: 8.39
6. Surface Active Agents: PROPRIETARY
7. Solvents: PROPRIETARY
8. Additives: None
9. Solubility: Miscible in oil, water, and solvents

X. ANALYSIS FOR HEAVY METALS, CYANIDE, AND CHLORINATED HYDROCARBONS

Compound	Concentration (ppm)
Arsenic	0.0092
Cadmium	<0.002
Chromium	0.0262
Copper	<0.006
Lead	0.0062
Mercury	0.0005
Nickel	<0.01
Zinc	<0.0166
Cyanide	0.014
Chlorinated Hydrocarbons	<26.30