

Verklaring veiligheid Naturama producten



Naturama G3 A-5 EPA US Listing # SW-53

De onderstaande verklaring heeft betrekking op alle Naturama producten. Op de Naturama website kunnen van elk product worden gevonden of ze ook Safer Choice zijn. De in de verklaring genoemde Naturama All Purpose Cleaner No.19 is niet geregistreerd als Safer Choice, maar er geldt wel wat is verklaard in pagina's 3 t/m 5 betreffende de toxiciteit en EPA registratie.



VERKLARING VEILIGHEID

7 Oktober 2020

Naturama producten en voedselproductie

Deze verklaring is van toepassing op onder andere de volgende Naturama producten:

- Naturama Tiled Floor Cleaner
- Naturama Heavy-Duty Kitchen Cleaner
- Naturama Bathroom Cleaner
- Naturama All Purpose Cleaner No.19

Voedselveiligheid

Vanuit omgevingen waar voedsel wordt bereid, wordt wel eens de vraag gesteld of Naturama producten Food Safe zijn.

Het begrip Food Safe wordt gebruikt voor materialen die in contact komen met voedsel. Schoonmaakmiddelen zijn per definitie niet gemaakt om in contact te komen met voedsel, maar dat kan bij verkeerd gebruik wel gebeuren. Naturama producten zijn water gebaseerd. Alle stoffen zijn gemakkelijk oplosbaar, dus bij naspoelen is de kans op overblijvend residu gering. Mocht dat laatste gebeuren, dan is het residu van de Naturama producten niet giftig. Smaak van voedsel waarin Naturama voorkomt kan uiteraard wel worden beïnvloed.

Niet-corrosief

Bij normaal gebruik, waarbij wordt gereinigd/ontsmet en wordt nagespoeld, zal er geen corrosie optreden bij gebruik van Naturama producten. Bij langdurig contact met gevoelige materialen, die ook al oxideren na contact met water, zal dat ook met Naturama producten gebeuren. Aluminium kan verkleuren na zeer langdurig contact met Naturama producten.



Mark Vlems

Productontwikkeling Naturama

Achtergrond

Naturama kent zijn oorsprong in de Verenigde Staten, bij het bedrijf Greenlife. Development Inc. De ontwikkelaars van de producten hebben in hun leven te maken gehad met schoonmaakmiddelen in de automotive- en vliegtuigwereld. Hoe ongezond die producten waren hebben ze allen persoonlijk ondervonden. Hun strijd om kanker te overwinnen heeft geleid tot een samenwerking in de ontwikkeling van Naturama producten. Wat begon met veilig om mee te werken, is geworden tot veilig in de breedste zin. Veilig om mee te werken én veilig voor het milieu. Zoals ze het bij Greenlife in de US zeggen: *It's all about you and billions of your neighbors.* Naturama producten zijn *krachtige reinigingsmiddelen, veilig voor mens, dier en milieu.*

Naturama is in de US geregistreerd bij de EPA, de *Environmental Protection Agency*, een overheidsorganisatie (<https://www.epa.gov/>). Deze registratie garandeert dat de producten veilig zijn. De EPA heeft daarnaast een aantal programma's dat verder gaat, waaronder het *Safer Choice* programma, dat alle ingrediënten op veiligheid toetst.

EPA registratie

Bij de registratie onder controle van de EPA is uitgebreid onderzoek gedaan van het basis schoonmaak-product van Naturama: de G3 A-5. De gegevens zijn in te zien op de website van de EPA: <https://www.epa.gov/emergency-response/naturama-g3-5>.

U. S. ENVIRONMENTAL PROTECTION AGENCY	
NATURAMA G3 A-5 TECHNICAL PRODUCT BULLETIN # sw-53 USEPA, OIL PROGRAM CENTER ORIGINAL LISTING DATE: JANUARY 26, 2011 "NATURAMA 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	

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

De toelichting bij de bovengenoemde geregistreerde resultaten.



Toxicity Testing

In order to become listed with the E.P.A., **Naturama** was tested in two dimensions by U.S. E.P.A. approved laboratories. The first test by Bio-Aquatic Laboratories looked at how toxic Naturama is, when released in an aquatic environment. The test measures the Parts per Million needed to affect the health of two different delicate species.

Results of this test indicate that the key ingredient in toothpaste (Sodium Laurel Sulfate) is approx. 5 000% more toxic than **Naturama**.

The second set of tests as part of the EPA testing (performed by Xenco Labs) analyzed the chemical make-up, the products ability to recover numerous metals, pesticides, PCB's and other volatile organic compounds.

The test using the Green Life Development Naturama G-3 only ended at 1600 hours on July 25, 2010. The test using #2 fuel oil was ended at 1310 hours on July 21, 2010. The test using the Green Life Development Naturama G-3 /#2 fuel oil mix was ended at 1305 hours on July 21, 2010.

TEST RESULTS: The Environmental Protection Agency's Trimmed Spearman-Kärber statistical program was used to analyze all data.

The 48-Hour LC-50 (concentration at which 50% mortality is expected to occur) for the Green Life Development Naturama G-3, Mysidopsis bahia survival data, was calculated by the Spearman-Kärber program, as 482.97 ppm.

LC50: 482.97 ppm

Lower 95% Confidence Limit: 413.95 ppm

Upper 95% Confidence Limit: 563.50 ppm

The 48-Hour LC-50 (concentration at which 50% mortality is expected to occur) for the #2 Fuel Oil, Mysidopsis bahia survival data, was calculated by the Spearman-Kärber program, as 0.32 ppm.

LC50: 0.32 ppm

Lower 95% Confidence Limit: Not Reliable

Upper 95% Confidence Limit: Not Reliable

The 48-Hour LC-50 (concentration at which 50% mortality is expected to occur) for the Green Life Development Naturama G-3 /#2 Fuel Oil Mix, Mysidopsis bahia survival data, was calculated by the Spearman-Kärber program, as 2.24 ppm.

LC50: 2.24 ppm

Lower 95% Confidence Limit: Not Reliable

Upper 95% Confidence Limit: Not Reliable

Safer Choice

De Naturama producten vormen een grote familie. Uit de G3 A-5 zijn producten ontwikkeld met eigenschappen gericht op het aanpakken van specifieke vormen van verontreiniging. Daarbij is van begin af aan gekeken naar de *Safer Choice* standaard. Op <https://www.epa.gov/saferchoice/standard> is alles te vinden over deze standaard.

Om tot een afgeleid *Safer Choice* product te komen zijn ingrediënten waar nodig één voor één vervangen door andere ingrediënten die voldoen aan de *Safer Chemical Ingredients Criteria*. Om eigenschappen te verbeteren zijn er ingrediënten, ook weer getoetst aan die lijst, toegevoegd.

Safer Choice heette in het begin *Design for the Environment (DfE) Standard for Safer Cleaning Products*. Onderstaande documenten laten zien dat de afgeleide producten onder het *Safer Choice* programma vallen. Zoek op 'Naturama' op <https://www.epa.gov/saferchoice/products> voor de volledige lijst. Om op de lijst te mogen blijven staan wordt om het jaar opnieuw getoetst tegen de actuele criteria.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 WASHINGTON D.C., 20460

OFFICE OF CHEMICAL SAFETY
 AND POLLUTION PREVENTION

**PARTNERSHIP AGREEMENT
 BETWEEN
 GREENLIFE DEVELOPMENT
 AND
 U.S. ENVIRONMENTAL PROTECTION AGENCY
 DESIGN FOR THE ENVIRONMENT PROGRAM**

1 Statement of Purpose

The purpose of this Partnership Agreement (“Agreement”) is to set forth the basis, terms, and goals of the Design for the Environment (“DfE”) voluntary partnership between GreenLife Development of Las Vegas, NV and the U.S. Environmental Protection Agency (“EPA”). The partnership is part of the DfE safer chemical use initiative for commercial formulators. The basic goal of the initiative is to seek and promote innovative chemical products, technologies, and practices that benefit human health and the environment.

A key purpose of the partnership program is to recognize and encourage the formulation of products with environmentally preferable chemistry and collateral benefits, as defined and described in the DfE Standard for Safer Cleaning Products (the “Standard”) and the associated DfE component-class criteria. For the purpose of this Agreement, these products include the GreenLife Development products as summarized in the Qualifying Products Table (the “Qualifying Products”). The partnership will strive to promote and advance the environmental, technological, and efficiency benefits of these and future Qualifying Products.

This Agreement describes in general terms how GreenLife Development formulates the Qualifying Products, their environmental and human health benefits, and how GreenLife Development and EPA/DfE will work together to continually improve the health and environmental profile of the Qualifying Products and educate the consumer on these improvements and the DfE Program.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D.C., 20460

MAR 23 2015

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

David Levy
Director
GreenLife Development
5112 W. Charleston Blvd, Suite C
Las Vegas, NV 89146

Dear Mr. Levy:

The U.S. Environmental Protection Agency applauds GreenLife Development for your leadership in developing environmentally oriented degreasers and all-purpose cleaners. EPA's Design for the Environment ("DfE")—now Safer Choice—program seeks to promote the use of products with improved environmental and human health characteristics. The products in our partnership—Naturama Industrial Strength Degreaser, Naturama Motive Series, Naturama CBD, and Naturama Green Cleaner/Degreaser—fully achieves that objective and are noteworthy for their preferred environmental profile and ability to be used where releases to water may occur.

The key purpose of the DfE/Safer Choice – GreenLife Development partnership is to recognize and encourage the environmentally preferable chemistry of the partnership products. DfE/Safer Choice is very enthusiastic about your successful formulation of these products and about our partnership. By eliminating hazardous solvents, environmentally persistent surfactants, and other harmful ingredients, you have demonstrated active environmental stewardship and dedication to continuous improvement.

Customers who use your DfE/Safer Choice-labeled products will be participants in this important national effort to protect the environment and safeguard human health. We commend GreenLife Development for your commitment to improving the environmental profile and performance of your products—and for leading change in the cleaning industry. DfE looks forward to building this partnership and wishes you much success with the partnership products.



Sincerely,



Clive Davies, Chief
Safer Choice Program