

TECHNICAL PRODUCT BULLETIN #SW-73
USEPA, OEM REGULATIONS IMPLEMENTATION DIVISION
LISTING DATE: SEPTEMBER 29, 2021
“DE-OIL-IT INDUSTRIAL STRENGTH CONCENTRATE”

I. NAME, BRAND, OR TRADEMARK
DE-OIL-IT INDUSTRIAL STRENGTH CONCENTRATE
Type of Product: Surface Washing Agent

II. NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER/CONTACT
Greenworld Innovations Corp.
3813 Highgate Drive
Valrico, FL 33594
Phone: (407) 574-3898
Fax: (813) 413-6073
E-mail: info@gwi.world
Website: www.deoilit.com
(Mr. Ron McCarthy, CEO, or Mr. Danny Schillaci, COO)

III. NAME, ADDRESS, AND TELEPHONE NUMBER OF PRIMARY DISTRIBUTORS
Greenworld Innovations Corp.
3813 Highgate Drive
Valrico, FL 33594
Phone: (407) 574-3898
Fax: (813) 413-6073
E-mail: info@gwi.world
Website: www.deoilit.com
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IV. SPECIAL HANDLING AND WORKER PRECAUTIONS FOR STORAGE AND FIELD APPLICATION

1. Flammability: Non-flammable.
2. Ventilation: No mechanical ventilation required; fresh air supply recommended for inside confined spaces.
3. Skin and eye contact; protective clothing; treatment in case of contact: May cause eye irritation, manufacturer recommends use of goggles during application. In case of eye contact, flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. For skin contact, wash exposed skin with soap and water. If redness, itching or a burning sensation develops get medical attention.
- 4.a. Maximum storage temperature: 120°F continuous, 140°F up to 5 days.
- 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; however, avoid freezing

application solution (concentrated product diluted with water) to avoid possible separation.

V. SHELF LIFE

The shelf life of unopened containers is unlimited. Containers should remain capped when not in use to prevent contamination or evaporation. Activated concentrate (i.e., product diluted with water) has unlimited shelf life if kept capped.

VI. RECOMMENDED APPLICATION PROCEDURE

1. Application Method: Product is to be used in diluted form and works just as well with fresh or salt water. This product works well with all types of oils contaminating shorelines, beaches, and rocks. Dilute to 30:1 (this is the application solution comprised of 30 parts water and one part product), spray on surface areas, and allow to soak time for 15 minutes before rinsing with water. For stubborn oil cleanup, after soaking scrub with brush before rinsing. Spraying means using mechanical methods such as a pump that can deliver 30 psi or greater. Rinsing is best performed with a pressure washer if available. Prior to application, use booms to prevent the product and oil mixture from entering open water. Water run-off can be collected by a vacuum apparatus as surface tension of the treated oil is reduced making pick up efforts easier (should not stick to vacuuming). The product and oil mixture, along with containment materials, should be disposed of according to local, state, and federal regulations.

2. Concentration/Application Rate: The volume of an application solution for shoreline cleanup means adding water (30 parts) to product (one part) and is dependent on size of cleanup area. In general the calculation of application solution (water plus product) volume in gallons is $(\text{Length} \times \text{Width}) \times (0.08)$ – scale is in feet. As an example, a boundary of contaminated shoreline measuring 50 feet x 12 feet, would be 600 square feet. Then $600 \text{ square feet} \times 0.08 = 48 \text{ gallons}$, at 30:1 dilution ratio this would be 1.5 gallons of product and 46.5 gallons of water. Water does not need to be filtered and can be salt or fresh.

3. Conditions for Use: Outside air temperature of 50°F to 125°F is optimal; otherwise, there is no specific restrictions outside this range other than avoid freezing of application solution. Water temperature for activating the application solution produces optimal performance between 95°F to 125°F; otherwise, there is no specific restrictions outside this range other than avoid freezing application solution. Water source for application solution can be fresh, or a non-potable source such as natural sources (i.e., lakes, ocean). Ambient water temperature at source of oil spill should be above 35°F. Do not freeze product, possible separation could occur. Manufacturer resting time of dilution application solution includes:

- When creating a diluted application solution according to a selected dilution ratio, the combined solution of water and product needs to rest.
- Resting time of 30 minutes to one hour stabilizing at ambient temperature to which you are to apply the application solution is optimal.

VII. TOXICITY AND EFFECTIVENESS

a. Toxicity:

<u>Material Tested</u>	<u>Species</u>	<u>LC50 (ppm)</u>
DE-OIL-IT INDUSTRIAL	Menidia beryllina	144.59 96-hr
STRENGTH CONCENTRATE	Mysidopsis bahia	76.64 48-hr
No. 2 Fuel Oil	Menidia beryllina	10.55 96-hr
	Mysidopsis bahia	3.90 48-hr
PRODUCT &	Menidia beryllina	4.65 96-hr
No. 2 Fuel Oil (1:10)	Mysidopsis bahia	4.13 48-hr
Reference Toxicant (DSS)	Menidia beryllina	3.98 96-hr
	Mysidopsis bahia	8.36 48-hr

b. Effectiveness:

NA

VIII. MICROBIOLOGICAL ANALYSIS

NA

IX. PHYSICAL PROPERTIES

1. Flash Point: >212°F
2. Pour Point: 26°F
3. Viscosity: 1.505 cSt @ 40°C
4. Specific Gravity: 1.1959 @ 60°F
5. pH: 12.9
6. Surface Active Agents: Anionic and nonionic surfactants, proprietary
7. Solvents: CONFIDENTIAL.
8. Additives: CONFIDENTIAL.
9. Solubility in Water: High solubility in water.

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

<u>Compound</u>	<u>Concentration (ppm)</u>
Arsenic	<0.050
Cadmium	<0.025
Chromium	<0.015
Copper	<0.050
Lead	<0.050
Mercury	<1.00 ug/L
Nickel	<0.050
Zinc	0.249
Cyanide	0.0774
Chlorinated Hydrocarbons	<0.005