



Integra Environmental, Ltd.

MarineClean

Water Treatment and Cleaner

Technical Bulletin

PHYSICAL FORM

Liquid – Blue in color

PACKAGING

55 gal plastic drum (208 L.)

5 gal plastic pail (19.93 L.)

Bulk (330 gallon containers or larger)

AREAS FOR USE

Bilges, engine rooms, oil / fuel storage tanks, shorelines, water tanks and closed water systems. Cleans all hard surfaces.

TEMPERATURE LIMITS

32 deg F to 120 deg F

SAFETY

pH – approx. 9.0

Wet Flammability -nonflammable

Dry Flame Spread - N/A

Threshold Limit Value - non-toxic

Medical - refer to MSDS

COVERAGE

Variable, contact Integra or local representative. Refer to instructions

TOOLS FOR APPLICATION

Pressure washers, sprayers, mops,

Manual pouring or automatic dispensing

LIMITATIONS

Any chemicals or conditions that will destroy live microbes will limit bioremediation. Do not mix with conventional cleaners. Microbes tolerate salt water up to 1 1/2 times normal seawater.

WEIGHT

8.34 lbs/liquid gallon (1Kg/L.)

DOT SHIPPING LABEL

Not required

APPLICABLE TEST REQUIREMENTS

As required by governing authority.

DESCRIPTION: Nature's Way MarineClean is an aqueous cleaner and bioremediation agent for cleaning and/or elimination of unwanted hydrocarbon wastes in the marine environment. MarineClean contains naturally occurring aerobic microbes, specially adapted to consume hydrocarbons in water. MarineClean is suitable for use in salt or fresh water, and effectively eliminates both petroleum and food based hydrocarbons. MarineClean removes light to medium accumulations of oil, fuel, dirt, etc. and biologically eliminates unwanted wastes in the effluent. It can be added directly to water or used first as a cleaner, utilizing the rinse water as a bio-treatment. Either way, vapors odors and oil accumulations are controlled.

PURPOSE: MarineClean was developed to prevent misplaced oils and fuels from harming the environment. With minimum agitation, oils and fuels cannot stick, float, or sink, and are virtually undetectable should they escape into the environment. Within days, all components of the hydrocarbons are completely transformed by the select microbes into harmless by-products. In water systems, MarineClean also reduces algae and nozzle plugging.

MarineClean is safe and pleasant to use and will not irritate normal skin or respiratory tracts. Use of MarineClean, in lieu of conventional disposal methods or common cleaners, helps to improve safety while minimizing liabilities and disposal costs.

BENEFITS INCLUDE:

- **Sharply reduces VOC's and odors**
- **Eliminates sheens permanently on contact**
- **Biological action eliminates hydrocarbon wastes**
- **Excellent cleaner / degreaser.**
- **Does not cause BOD or COD problems**
- **Inhibits oils from coalescing or adhering to surfaces**
- **Completely biodegradable, non-toxic, non-irritating**

The Nature's Way Line of Products is covered by

U.S. Patent number 5,561,059

ALL INGREDIENTS ARE COMPLETELY BIODEGRADABLE

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Literature #M120C