

Material Safety Data Sheet

Hammerhead Marine Descaler

Part Numbers M2032, M2128, M2005, M2055

Distributor Bright Bay Products LLC
Address 12157 W Linebaugh Ave
Tampa, FL 33626
Phone 813-731-3445

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Prepared by Rob Huey

Emergency Phone 800-424-9300 (CHEMTREC)
International Phone 1-703-527-3887 (CHEMTREC, Collect Calls Accepted)

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogene 0.1% or greater)		%	OSHA PEL	ACIH TLV	Other Limits Recommended
Proprietary Acid Blend		15-25	---	---	NONE
Proprietary Surfactant Blend		1-10	---	---	NONE
Other		Balance			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H2O - 1)	1.3-1.7
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (_____ = 1)	No information found.
Solubility in Water	Miscible in water.	Water Reactive	No
pH	1.8-2.2		

Appearance Colorless, translucent, no odor

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point & Method Used	N/A	Auto-Ignition Temperature	N/A	Flammability Limits in Air % by Volume	N/A	LEL	UEL
Extinguisher Media	All types					N/A	N/A
Special Fire Fighting Procedures	N/A						
Unusual Fire and Explosion Hazards	N/A						

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid None known.
Incompatibility (Materials to Avoid)	Strong oxidizers.
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid None known

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Ingestion	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
HEALTH HAZARDS	Acute May cause skin or eye irritation Chronic May cause tissue damage after prolonged exposure			
Signs and Symptoms of Exposure	Skin Rash or skin irritation Eye Redness of eye, other eye irritation			
Medical Conditions	Generally Aggravated by Exposure	None known		

EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment if necessary.

Eye Contact	Wash thoroughly with running water for 15 minutes Get medical advice if irritation develops.
Skin Contact	Wash exposed area with soap and water. Get medical advice if irritation develops.
Inhalation	Remove to fresh air If breathing becomes difficult give oxygen and get medical attention
Ingestion	Do not induce vomiting Give water to rinse mouth and give several glasses of water to dilute. Do not give anything if unconscious Get medical attention

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	None required.		
Protective Gloves	Wear rubber gloves	Eye Protection	Wear splash proof goggles
VENTILATION	<input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Other (Specify)	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
TO BE USED	Other Protective Clothing and Equipment	None required.	

Hygienic Work Practices	Use good housekeeping measures.
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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material Is Spilled Or Released	Use suitable protective equipment. Neutralize with lime or soda ash. Absorb onto inert material for proper disposal
Waste Disposal Methods	Follow applicable local, state, and federal regulations
Precautions to be Taken in Handling and Storage	This product may become slippery on floors. Avoid spilling and walking on spilled area.
Other Precautions and/or Special Hazards	None known.
NFPA/HMIS	Health 1 Reactivity 0
Rating*	Flammability 0 Special 0

SECTION 8 - REGULATORY CONTROLS

The components of this product are included on or exempted from listing on the TSCA inventory of chemical substances. Protection of stratospheric ozone (pursuant to section 611 of the clean air act amendments of 1990): Per 40 CFR part 82, this product does not contain any class I or class II ozone depleting substances.

EPA SARA TITLE III CHEMICAL LISTINGS
 Section 302 extremely hazardous substances:
 None
 Section 304 CERCLA hazardous substances:
 None
 Section 312 hazard class:
 None
 Section 313 toxic chemicals:
 None

Carcinogen
 OSHA - No, NTP - No, IARC - No

SECTION 9 - STATE REGULATORY INFORMATION

California

This product contains no chemicals listed by the state of California under the safe drinking water and toxic enforcement act of 1986 (Proposition 65) as being known to cause cancer, birth defects, or other reproductive harm.

Massachusetts

No ingredient regulated by the MA right-to-know law is present.

SECTION 10 - TOXICITY

Acute Toxicity

Meets the EPA standard for practically non-toxic in the ecological risk assessment

Irritation

Tests on animals have shown that the effect on skin is species dependent.
 Human experience and results on guinea pigs have shown that it is irritant and not corrosive.

Local Effects

Irritating to eyes and skin. Risk of serious damage to eyes. Inhalation of mist causes irritation of respiratory system.

Carcinogen Status

None

Mutagenic Data

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

SECTION 11 - ECOTOXICITY

Ecotoxicity

Meets the EPA ecotoxicity standard for practically non-toxic in the ecological risk assessment

Predicted No Effect Concentration

PNEC Aqua (Freshwater) 5.2 mg / ltr

PNEC STP
 (Sewer Treatment Plants) 40 mg / ltr

Biodegradable Readily Biodegradable

Bioaccumulation None

Further Information Manufactured from components approved for the EPA's Designed for the Environment Program

SECTION 12 - OTHER INFORMATION

The information provided here is compiled from sources believed to be reliable and is accurate to the best of our knowledge at this time. It is provided in good faith but without warranty, expressed or implied, the results of the use of this information or to the product to which it relates. Recipient assumes responsibility for the use, storage or disposal of this product, including any resultant injury or property damage.

Reviewed: 04/28/2015 - Pollitt