

# SAFETY DATA SHEET (SDS)

SDS Date: 11/04/2015

Printed: 11/04/2015

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## SECTION 1: Identification of the substance/mixture and of the company

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PRODUCT NAME: Whip-End Dip (Red)  
PRODUCT CODES MDR-180 R

### USES:

Do not use for any application other than its intended use.

This Safety Data Sheet has been updated in accordance with the Global Harmonized System (GHS).

MANUFACTURER: Marine Development & Research

### ADDRESS:

515 East 41st Street, Paterson, NJ 07504  
Tel (732) 901-6500

EMERGENCY PHONE: 1-800-424-9300

CHEMTREC 24 Hour Emergency Response: 1-800-424-9300

Information: SDS Coordinator: 973-754-7087

FAX PHONE: 973-754-7020

PREPARED BY: TedSmith

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## SECTION 2: HAZARD(S) IDENTIFICATION

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### EMERGENCY OVERVIEW:

Causes irritation to the skin, eyes, mucous membranes and respiratory tract.  
Can be absorbed through the skin causing systemic effects.

### GHS Classification:

H302 Harmful if swallowed  
H313 May be Harmful in contact with skin  
H373 May cause damage to organs through prolonged or repeated exposure

### GHS Label elements:

### Pictograms:



Signal Word:

**WARNING**

### Hazard Statements:

#### Description

H302 Harmful if swallowed  
H313 May be harmful in contact with Skin

### Precautionary Statements: Description

P262 Do not get in eyes, on skin or on clothing  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/eye protection/face protection  
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+352 IF ON SKIN: Wash with soap and water  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes.  
Remove contact lenses if present and easy to do-continue rinsing  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth  
P331 DO NOT induce vomiting  
P333+313 If skin irritation or a rash occurs: Get medical advice/attention  
P337 If eye irritation persists  
P362 Take off contaminated clothing and wash before reuse

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P391 Control spillage

P403+233 Store in a well ventilated place. Keep container tightly closed

P501 Dispose of contents/container in accordance with local/national regulations

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acrylic Copolymer Proprietary	20.0 – 30.0	Not Classified as Hazardous	
2-(2-butoxyethoxy)ethanol CAS# 112-34-5	1.0 – 3.0	Causes serious eye irritation Forms peroxides	1,2
Ethylene Glycol CAS# 107-21-1	1.0 – 3.0	Acute toxicity, Oral Skin irritation Specific target organ systemic toxicity – single exposure, Oral, Central nervous system, Kidney Specific target organ systemic toxicity – repeated exposure, Oral, Central nervous system, Kidney	Category 4 Category 2 Category 1  Category 2  1, 2
Dibutyl Phthalate 87-74-2	0.50 – 1.00	Reproduction Acute Aquatic	Category 1B Category 1  1,2

GHS Classification Scale (1 = severe; 4 = slight)

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit

[3] PBT substance or vPvb substance

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## SECTION 4: FIRST AID MEASURES

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### Description of first aid measures

<b>General</b>	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly Clean contaminated shoes.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Eyes</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin</b>	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
<b>Ingestion</b>	If swallowed, immediately contact Poison Control Center. DO NOT induce vomiting unless instructed to do so by Medical personnel. Never give anything by mouth to an unconscious person.

### Important symptoms and effects, acute and delayed

<b>Overview</b>	Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and Nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or Fatal. Avoid contact with eyes, skin and clothing.
<b>Inhalation</b>	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing Dizziness, headache or nausea.
<b>Eyes</b>	Causes severe eye irritation. Avoid contact with eyes.
<b>Skin</b>	Causes skin irritation. May be harmful if absorbed through skin.
<b>Ingestion</b>	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea or drowsiness.
<b>Chronic effects</b>	No Data

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## SECTION 5: FIRE-FIGHTING MEASURES

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<b>Conditions of flammability</b>	Material may burn but does not ignite readily. Fire may produce irritating and or toxic gasses. Heated containers may explode.
<b>Extinguishing media</b>	Use dry chemical powder, CO2 or foam, water spray may be used for large fires.
<b>Special protective equip.</b>	Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full Protective gear.
<b>Hazardous combustion products</b>	Carbon oxides
<b>Special information</b>	Use water spray to disperse vapors and to protect personnel attempting to stop leak. Can react vigorously with oxidizing materials. Do not allow fire water contaminated with this product to enter any waterway or storm drain.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Wear adequate/appropriate personal protection equipment. Ventilate area if confined space.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or soil. Discharge into the environment must be avoided.
<b>Methods of containment/cleanup</b>	Contain liquid with dirt, sand, vermiculite or other noncombustible solids. Transfer to a metal container for disposal.

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## SECTION 7: HANDLING AND STORAGE

<b>Handling</b>	Wear adequate personal protective equipment. Keep containers tightly closed. Avoid contact with skin or eyes.
<b>Storage</b>	Store in a cool, dry, well-ventilated area, protect from freezing.
<b>Incompatibilities</b>	Oxidizing agents, including nitric acid and peroxides.
<b>Suitable Packing Materials</b>	Polyethylene, poly propylene or Stainless steel (tanks/containers) Do <b>NOT</b> store in lead, steel or aluminum containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS No.	Ingredient	Source	Value
Proprietary	Acrylic Copolymer Emulsion	Supplier	No Controls
84-74-2	Dibutyl Phthalate	ACGIH TWA	5.00 mg/m <sup>3</sup> (TLV)
		OSHA TWA	5.00 mg/m <sup>3</sup> (Table Z-1 limits for air contaminants)
		NIOSH TWA	5.00 mg/m <sup>3</sup>
107-21-1	Ethylene Glycol	ACGIH	100mg/m <sup>3</sup> (CEILING) aerosol only
112-34-5	2-(2-butoxyetoxy)entanol	ACGIH	10 ppm

PEL = Permissible Exposure Limits  
TLV = Threshold Limit Value  
EL = Excursion Limit

TWA = Time Weighted Average (8 hr.)  
STEL = Short Term Exposure Limit (15 min.)  
WEEL = Workplace Environmental Exposure Level

### Exposure Controls:

<b>Respiratory</b>	Select equipment to provide protection from the ingredients listed in section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor or mist levels above the applicable limits, wear appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.
<b>Eyes</b>	Avoid contact with eyes. Protective equipment should be selected to provide protection from the ingredients Listed in section 3 of this document. Depending on site and application method specific conditions, safety glasses, chemical goggles, and or head and face protection may be required. All equipment must be thoroughly cleaned or discarded after use.
<b>Skin</b>	Select equipment to provide protection from the ingredients listed in section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection May be required to prevent contact. All equipment must be thoroughly cleaned or discarded after each use.
<b>Engineering Controls</b>	Ensure adequate ventilation to keep exposure levels at a minimum under the specific conditions.
<b>Other Work Practices</b>	Emergency eye wash stations and safety showers should be available in the immediate work area. Use good Personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove exposed/spoiled clothing and wash separately before reuse. Shower after work using plenty of soap and water.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Red

ODOR: Mild latex

PHYSICAL STATE: liquid

PH AS SUPPLIED: Not Measured

BOILING POINT:

F: Not Measured

C: Not Measured

MELTING POINT:

F: Not Measured

C: Not measured

FREEZING POINT:

F: Not measured

C: Not Measured

VAPOR PRESSURE (mmHg): Not Measured

@

F:

C:

VAPOR DENSITY (AIR = 1): Heavier than air

@

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

@ 1.0552

F: 77

C:

EVAPORATION RATE: NE MIXTURE

BASIS (=1):

SOLUBILITY IN WATER: Negligible

MIXTURE

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## SECTION 10: STABILITY AND REACTIVITY

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Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fume generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Hydrogen chloride, Chlorinated compounds, Carbon Dioxide and Carbon Monoxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

Breathing large amounts of hydrocarbon/ketone solvents for short periods of time adversely effects the human nervous system, the kidneys, liver, and the heart. Repeatedly breathing large amounts of toluene as when "sniffing glue" or paint can cause permanent brain damage. Human exposure studies and animal studies suggest that exposure to large amounts of solvents during pregnancy can adversely affect the developing fetus.

Ingredient	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation Vapor LC 50	Eye Damage/irritation
Acrylic Copolymer Emulsion	No Data Available	No Data Available	No Data Available	No Data Available
2-(2-butoxyetoxy)entanol 112-34-5	2764 (Rat)	2764 (Rabbit)	No Data Available	Rabbit 24 hr. moderate
Ethylene Glycol 107-21-1	7712 (Rat)	3500 (Mouse)	2.5 mg/l (rat) (6 hr)	Not Classified
Dibutyl Phthalate 84-74-2	8000 (Rat)	20860 (Rabbit)	Maximisation test (GPMT) – Guinea pig Result: does not cause skin sensitisation (OECD test Guideline 406)	Rabbit: No eye irritation (OECD Test Guideline 405)

All ingredient values, literature values

<u>Item</u>	<u>Category</u>	<u>Hazard</u>
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation.
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

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## SECTION 12: ECOLOGICAL INFORMATION

Ingredient	Toxicity to fish LC50	Toxicity to invertebrates LC50	Toxicity to algae EC50	Biodegradation	Bioaccumulation	Mobility in soil
Acrylic Copolymer Emulsion	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
2-(2-butoxyetoxy)entanol	1300 mg/l (96 hr)	No Data Available	100 mg/l (96 hr)	85% Readily Biodegradable	No Data Available	No Data Available
Ethylene Glycol	Low acute toxicity to fish	Low acute toxicity to aquatic invertebrates	Low acute toxicity to algae	Rapidly Biodegradable	Not expected to bioaccumulate.	Low potential for soil adsorption
Dibutyl Phthalate	0.85 mg/l (96 hr) fathead minnow	3.7 mg/l (48 hr) Daphnia magna	No Data Available	81% Readily Biodegradable	Does not bioaccumulate	No Data Available

All ingredient Values, literature values

Persistence and degradability No data available  
Bio accumulative potential Not Measured  
Mobility in soil No data available  
Results of PBT and vPvB assessment This product contains no PBT/vPvB chemicals.  
Other adverse effects No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations. This product contains components that are RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service. Empty containers must be handled with care due to product residue.

## SECTION 14: TRANSPORT INFORMATION

**Proper shipping name:** Water base Paint Class 55

**The product is classified:** Not classified

### Sea (IMDG):

**Class:**  
**PG:**  
**MP:** NA  
**EmS:**

**MFAG:**

**Inland Waterways:** To be handled locally.

### Air (ICAO/IATA):

**Class:**  
**PG:** NA

### Land (DOT):

**Class:** 55  
**PG:** NA  
**Primary risk label:** NA

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## SECTION 15: REGULATORY INFORMATION

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**Regulatory Overview**      The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**WHMIS Classification**      Not Regulated

**DOT Marine Pollutants (10%):**  
(No Product Ingredients Listed)

**DOT Severe Marine Pollutants (1%):**  
(No Product Ingredients Listed)

**EPCRA 311/312 Chemicals and RQs (>.1%):**  
Ethylene Glycol

**EPCRA 302 Extremely Hazardous (>.1%):**  
(No Product Ingredients Listed)

**EPCRA 313 Toxic Chemicals (>.1%):**  
107-21-1 Ethylene Glycol  
84-74-2 Dibutyl Phthalate

**Mass RTK Substances (>1%):**  
107-21-1 Ethylene Glycol  
84-74-2 Dibutyl Phthalate  
1333-86-4 Carbon Black

**Penn RTK Substances (>1%):**  
107-21-1 Ethylene Glycol  
84-74-2 Dibutyl Phthalate  
1333-86-4 Carbon Black

**Penn Special Hazardous Substances (>.01%):**  
(No Product Ingredients Listed)

**RCRA Status:**  
(No Product Ingredients Listed)

**N.J. RTK Substances (>1%):**  
107-21-1 Ethylene Glycol  
84-74-2 Dibutyl Phthalate  
1333-86-4 Carbon Black

**N.J. Special Hazardous Substances (>.01%):**  
(No Product Ingredients Listed)

**N.J. Env. Hazardous Substances (>.1%):**  
(No Product Ingredients Listed)

**Proposition 65 – Carcinogens (>0%):**  
(No Product Ingredients Listed)

**Proposition 65 – Female Repro Toxins (>0%):**  
(No Product Ingredients Listed)

**Proposition 65 – Male Repro Toxins (>0%):**  
(No Product Ingredients Listed)

**Proposition 65 – Developmental Toxins (>0%):**  
84-74-2 Dibutyl Phthalate



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## SECTION 16: OTHER INFORMATION

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### HMIS:

Health	1
Fire	1
Physical Hazard	0

### ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists  
OSHA = Occupational Safety and Health Administration  
TLV = Threshold Limit Value TWA  
= Time Weighted Average  
PEL = Permissible Exposure Limit  
STEL = Short Term Exposure Limit  
NA = Not Applicable  
NE = Not Established

PREPARATION INFORMATION: HMIS Hazard Ratings Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme

Check with supervisor for appropriate personal protection in accordance with rating.

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