

# Safety Data Sheet

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: MDR-640 MDR-651 MDR-652 MDR-653 MDR-655	
Product Name: KRAZY CLEAN	
<b>Manufacturer's Name:</b> MARINE DEVELOPMENT & RESEARCH	<b>Emergency Telephone Number:</b> 352-323-2500
<b>Address (Number, Street, City, State, ZIP)</b> 515 EAST 41 <sup>ST</sup> ST	<b>Telephone Number for Information:</b> 973-754-7000
PATERSON, NJ 07504	<b>Date Prepared:</b> 4/30/15
	<b>Signature of Preparer (optional):</b>

## SECTION 2: HAZARDS IDENTIFICATION

### Emergency Overview:

#### Caution:

Wear safety glasses with side-shields

Wear chemical resistant protective gloves

Wear protective clothing

Eye wash fountains and safety showers must be easily accessible

Use NIOSH approved respirator as needed to mitigate exposure

State of matter:

Color: Clear Liquid

Odor: Glycol Ether



### DANGER

Corrosive: Causes skin and eye irritation and/or burns

### Potential Health Effects:

- **Primary Routes of Exposure:** Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
- **Irritation / Corrosion:** Contact cause eyes irritation and burns, may cause skin irritation or burns
- **Assessment Other Acute Effects:** Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
- **Sensitization:** No sensitizing effect.
- **Chronic Toxicity:**
  - Carcinogenicity:** Not carcinogenic.
  - Repeated Dose Toxicity:** Not established
  - Reproductive Toxicity:** Not known to be a reproductive toxin.

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## SECTION 2: HAZARDS IDENTIFICATION (continued)

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- **Signs and Symptoms of Overexposure:** Will cause drying, irritation, and possible burning of the skin, will cause severe conjunctivitis and burning of ocular tissue

### Potential Environmental Effects

- **Aquatic Toxicity:** Toxic to fish at high concentration and dangerous to aquatic plants at high concentration
- **Degradation / Environmental Fate:** Environmental fate has not been determined.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

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Component	CAS Registry #	% w/w	ACGIH TLV	OSHA PEL
Sodium Tripolyphosphate	7758-88-5	1.5	10mg/m3TWA	NA
Butyl Cellosolve	111-76-2	1.5	20Ppm TWA	50Ppm
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## SECTION 4: FIRST-AID MEASURES

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**General Advice:** Remove contaminated clothing.

**If Inhaled:** If difficulties occur after vapor/ aerosol has been inhaled, remove to fresh air and seek medical attention.

**If on Skin:** Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in Eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If Swallowed:** Rinse mouth and then drink plenty of water. DO NOT induce vomiting. Immediate medical attention required.

## SECTION 5: FIRE FIGHTING MEASURES

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### Flammable Properties:

Flash Point: NTB Method Used: TCC

### Flammable Limits:

LFL: N/A

UFL: N/A

**Extinguishing Media:** Water fog, foam, Carbon dioxide, dry chemical

**Fire & Explosion Hazards:** Containers can rupture and explode under fire conditions due to pressure and vapor buildup.

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**Fire Fighting Instructions:** Self contain breathing apparatus. Use water to cool fire exposed containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Use personal protective clothing. Keep people away and stay on the upwind side.

**Environmental Precautions:** Do not discharge into drains/ surfaces waters/ groundwater.

**Absorb on fire retardant material. Dispose of in accordance to Local, State and Federal regulations.**

## SECTION 7: HANDLING AND STORAGE

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### Handling:

- **General Advice:** Keep in a cool dry place.
- **Protection Against Fire and Explosion:** Product is not flammable.

### Storage:

- **General Advice:** Keep containers tightly closed and dry; store in a cool place.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Personal Protective Equipment:

- **Respiratory Protection:** Wear a NIOSH-certified (or equivalent) organic vapor/ particulate respirator.
- **Hand Protection:** Chemical resistant protective gloves
- **Eye Protection:** Safety glasses with side shields
- **General Safety and Hygiene Measures:** Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.
- **Engineering Controls:** Keep containers closed when not. Do not store near food.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b> Clear colorless liquid	<b>Physical State:</b> Liquid
<b>Boiling Point:</b> 212 F	<b>Solubility in Water:</b> Complete
<b>Evaporation Rate:</b> NA	<b>Density:</b> 8.5 LB/GA2
<b>Freezing Point:</b> 32 F	<b>Specific Gravity:</b> 1.02
<b>Melting Point:</b> 32 F	<b>Vapor Density:</b> NA
<b>Molecular Weight:</b> Mixture	<b>Vapor Pressure:</b> NA
<b>Odor:</b> Glycol Ether	<b>Viscosity:</b> NA
<b>pH:</b> 13.0	<b>% Volatile:</b> 85%
	<b>Partition Coefficient:</b> NA

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## SECTION 10: STABILITY AND REACTIVITY

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**Chemical Stability:** Stable

**Incompatibility:** Strong oxidizers and strong acids

**Hazardous Decomposition Products:** Oxides of carbon nitrogen, and sulfur

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

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**Eye:** Will produce redness, burning and stinging. Prolonged and/or repeated contact may cause chemical conjunctivitis which may cause blindness.

**Skin:** Will cause redness, flaking and drying of the skin. Prolonged and/or repeated contact may cause dermatitis and burns.

**Ingestion:** Will cause nausea, vomiting, diarrhea and irritation and /or burns to the digestive tract

**Inhalation:** Will cause irritation and/or burns to the bronchial membranes and/or pulmonary edema.

**Sub chronic:** Unknown

**Chronic/Carcinogenicity:** Not listed as a known carcinogen.

**Teratology:** Does not contain any harmful reproductive agents.

**Reproduction:** Does not contain any harmful reproductive agents

**Mutagenicity:** Does not contain any known mutagens

## SECTION 12: ECOLOGICAL INFORMATION

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**Ecotoxicological Information:** Environmental fate and effects are not established.

## SECTION 13: DISPOSAL CONSIDERATIONS

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**Waste Disposal of Substance:** Dispose of in accordance with national, state, and local regulations. Do not discharge into drains / surface waters / groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container Disposal:** Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

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## SECTION 14: TRANSPORT INFORMATION (Not meant to be all inclusive)

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**D.O.T. Shipping Name:** Specialty cleaning preparation  
**Technical Shipping Name:** None  
**D.O.T. Hazard Class:** None  
**U.N. / N.A. Number:** None  
**Product RQ (lbs):** None  
**D.O.T. Label:** None  
**D.O.T. Placard:** None

## SECTION 15: REGULATORY INFORMATION (Not meant to be all inclusive- selected regulation represented)

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**TSCA Status:** All ingredients are in the TSCA inventory  
**CERCLA Reportable Quantity:** None  
**SARA Title III:**  
     **Section 302 Extremely Hazardous Substances:** None  
     **Section 311/312 Hazardous Categories:** Acute Health Hazard  
     **Section 313 Toxic Chemicals:** Butyl Cellosolve CAS# 111-76-2  
**RCRA Status:** None per 40 CFR P 261D  
**SCAQMD Information:** NA

**California Proposition 65:** None of the products composing this mixture is listed under Proposition 65

## SECTION 16: OTHER INFORMATION

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### New Jersey Right to Know Information

#### Hazard Rating System:

	HMIS III Rating	NFPA Hazard Codes
Health	3	3
Flammability	0	0
Reactivity	NA	0
Physical Hazard	0	NA

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