

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	
Manufacturer's Name: MARINE DEVELOPMENT & RESEARCH	Emergency Telephone Number: 352-323-2500
Address (Number, Street, City, State, ZIP) 515 EAST 41 ST ST	Telephone Number for Information: 973-754-7000
PATERSON, NJ 07504	Date Prepared: 4/30/15
	Signature of Preparer (optional):

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

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.



DANGER

Corrosive: Causes skin and eye irritation and/or burns

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SECTION 2: HAZARDS IDENTIFICATION (continued)

- **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

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

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

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

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

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

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

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

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SECTION 10: STABILITY AND REACTIVITY

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

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

Ecotoxicological Information: Environmental fate and effects are not established.

SECTION 13: DISPOSAL CONSIDERATIONS

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)

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)

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

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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