



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 283 CARPET SPOTTING TOWELS**

SDS DATE: 2/26/14

SUPPLIER: Mid-American Research Chemical Corp.  
PHONE: 402-664-7104 FAX: 402-663-1280  
EMERGENCY PHONE: InfoTrac 1-800-535-6053  
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

ADDRESS: P. O. Box 927 Columbus, NE 68602-0927

RECOMMENDED USE: Carpet cleaning towel.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Serious Eye Irritation  
Flammable Liquids

Category 2  
Category 4

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING:** Causes serious eye irritation. Combustible liquid.  
POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The exact percentage (concentration) of composition has been withheld as a trade secret.

INGREDIENT CAS NO.  
Diethylene glycol monobutyl ether 112-34-5  
Isopropyl alcohol 67-63-0

## SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/aid.

SKIN: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

INGESTION: Not an expected route of exposure. Large amounts: **DO NOT INDUCE VOMITING!** Never give anything by mouth to an unconscious person. Call a Physician or Poison Control Center immediately.

INHALATION: Not an expected route of exposure. Move to fresh air. If symptoms arise, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, Foam, Carbon dioxide (CO2), Water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: CAUTION: Use of water spray when fighting fire may be inefficient.

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool surrounding containers.



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may travel to source of ignition and flash back.

HAZARDOUS DECOMPOSITION PRODUCTS: Soot, Carbon dioxide (CO2), Carbon monoxide, Hydrocarbons.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE: Small spillage: Wipe up with absorbent material (e.g. cloth, paper). Large spillage: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

PROTECTIVE EQUIPMENT: See Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures. Prevent leakage or spillage if safe to do so.

## SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Avoid contact with skin and eyes. Avoid breathing vapors or mists. Do not smoke. Handle in accordance with good industrial hygiene and safety practice.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN!

INCOMPATIBLE PRODUCTS: Strong alkalis. Strong oxidizing agents.

STORAGE: Keep container closed when not in use. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing. Do not contaminate food or feed stuffs.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

INGREDIENT ACGIH TLV STEL: 400 ppm  
Isopropyl alcohol TWA: 200 ppm

OSHA PEL DLH: 2000 ppm 10% LEL  
TWA: 880 mg/m<sup>3</sup>  
NIOSH IDLH: 2000 ppm 10% LEL  
TWA: 880 mg/m<sup>3</sup>  
TWA: 400 ppm STEL: 500 ppm  
TWA: 400 ppm STEL: 500 ppm  
TWA: 880 mg/m<sup>3</sup> (ceiling) STEL: 1225 mg/m<sup>3</sup> (ceiling)

### ENGINEERING CONTROLS:

VENTILATION: Ensure adequate ventilation.

RESPIRATORY PROTECTION: None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

EYEFACE PROTECTION: None required under normal usage. If direct contact possible: Safety glasses with side-shields.

SKIN PROTECTION/PROTECTIVE GLOVES: No special protective equipment required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Showers, eyewash stations, ventilation systems.

WORK HYGIENE PRACTICES: Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid  
PHYSICAL STATE: Colorless  
COLOR: Orange  
ODOR: No information available.  
ODOR THRESHOLD: No information available.



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS

pH: 9.0 - 10.0  
 MELTING POINT: No data available.  
 BOILING POINT: 100°C / 212°F  
 FLASH POINT: 73.989°C / 185°F  
 EVAPORATION RATE: No data available.  
 FLAMMABILITY (Leak, gas): No data available.  
 FLAMMABILITY LIMITS IN AIR: UPPER FLAMMABILITY LIMIT: No data available.  
 LOWER FLAMMABILITY LIMIT: No data available.

**SECTION 10: STABILITY AND REACTIVITY**  
 REACTIVITY: No data available.  
 STABILITY: Stable under recommended storage conditions.  
 CONDITIONS TO AVOID: Incompatible products.  
 INCOMPATIBILITY MATERIAL TO AVOID: Strong alkalis. Strong oxidizing agents.  
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), Smoke Soot.  
 HAZARDOUS POLYMERIZATION: N/A  
 CONDITIONS TO AVOID (POLYMERIZATION): N/A

**SECTION 11: TOXICOLOGICAL INFORMATION**

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LD50 INHALATION
Diethylene glycol monobutyl ether	=3364 mg/kg (Rat)	=2700 mg/kg (Rabbit)	
Isopropyl alcohol	=4390 mg/kg (Rat)	12200 mg/kg (Rat)	72.0 mg/L (Rat) 4h
		1287.0 mg/kg (Rabbit)	

Symptoms: No information available.  
 Delayed and immediate effects and also chronic effects from short and long term exposure  
 Sensitization: No information available.  
 Mutagenic Effects: No information available.  
 Carcinogenicity: No information available.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		

IARC: (International Agency for Research on Cancer) Group 3: Not Classifiable as to its Carcinogenicity to Humans  
 OSHA: (Occupational Safety & Health Administration) X - Present  
 Reproductive Toxicity: No information available.  
 STOT - single exposure: No information available.  
 STOT - repeated exposure: No information available.  
 Aspiration Hazard: No information available.  
 Numerical measures of toxicity - Product: No information available.  
 The following values are calculated based on chapter 3.1 of the GHS document:  
 LD50 Oral: 18024 mg/kg, Acute toxicity estimate  
 LD50 Dermal: 18000 mg/kg, Acute toxicity estimate  
 Inhalation: 2898.1 mg/L, Acute toxicity estimate  
 Dose/fret: 2898.1 mg/L, Acute toxicity estimate

ACUTE HEALTH HAZARDS: N/A  
 CHRONIC HEALTH HAZARDS: N/A  
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A  
 TOXICITY TO ANIMALS: N/A

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity  
 The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Diethylene glycol monobutyl ether 112-34-5	EC50 98 h: > 100 mg/L (Desmodermus subspicatus)	LC50 98 h: > 1300 mg/L static (Lepomis macrochirus)		EC50 24 h: > 2850 mg/L (Daphnia magna) EC50 48 h: > 100 mg/L (Daphnia magna)
Isopropyl alcohol 67-63-8	EC50 98 h: > 1000 mg/L (Desmodermus subspicatus) EC50 72 h: > 1000 mg/L (Desmodermus subspicatus)	LC50 98 h: > 11130 mg/L static (Pimephales promelas) LC50 98 h: > 9840 mg/L flow-through (Pimephales promelas) LC50 98 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: > 13380 mg/L (Daphnia magna)

Persistence and Degradability: No information available.  
 Bioaccumulation: No information available.  
 CHEMICAL NAME: Isopropyl alcohol  
 LOW POW: 0.05  
 Other adverse effects: No information available.



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS

### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations.

CONTAMINATED PACKAGING: Do not re-use empty containers.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE
Isopropyl alcohol	Toxic Irritable

### SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/air-bulk containers)

DOT: Not regulated.

CONTAINER SIZE(S): SPECIAL  
 PROPER SHIPPING NAME: TOWELS OR CLEANSING CLOTHS.  
 HAZARD CLASS: NONE  
 ID NUMBER: NONE  
 PACKING GROUP: NONE  
 LABEL STATEMENT: NONE

### SECTION 15: REGULATORY INFORMATION

#### INTERNATIONAL INVENTORIES

LEGEND  
 TSCA - United States Toxic Substances Control Act Section 800 Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. FEDERAL REGULATIONS

TSCA TOXIC SUBSTANCE CONTROL ACT: N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT): This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1980): This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CHEMICAL NAME	CAS-NO	WEIGHT %	SARA 313 - Threshold Values %
Dihydroene typical monobutyl ether	112-34-5	15	1.0
Isopropyl alcohol	67-63-0	2	1.0

#### SARA 313/112 HAZARD CATEGORIES:

Acute Health Hazard: Yes  
 Chronic Health Hazard: No  
 Fire Hazard: Yes  
 Sudden Release or Pressure Hazard: No  
 Reactive Hazard: No

Clean Water Act  
 This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 4 CFR 122.42).



Form R04132

# SAFETY DATA SHEET

Product: MARC 283 CARPET SPOTTING TOWELS

### U.S. STATE REGULATIONS

California Proposition 65  
 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

\*X designates that the ingredients are listed on the state right to know list.

CHEMICAL NAME	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dihydroene typical monobutyl ether	X	X	X	X	
Isopropyl alcohol	X	X	X		X

U.S. EPA Label Information  
 EPA Pesticide Registration Number: Not applicable.

### SECTION 16: OTHER INFORMATION

HHS/NIH/PA Readings: Health = 2  
 Flammability = 2  
 Reactivity = 0  
 Other = -  
 Protection = B

REVISION DATE: 2/28/14

N/A = Not Applicable, ND = Not Determined, N/E = Not Established

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.