SAFETY DATA SHEET

Product: MARC 855 INVERTED WHITE SPRAY PAINT

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 855 INVERTED WHITE SPRAY PAINT

SDS DATE: 05/24/15

SUPPLIER: Mid-American Research Chemical Corp. **ADDRESS: P. O. Box 927 Columbus, NE 68602-0927**
PHONE: 402-564-7104 FAX: 402-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Use in marking construction, excavation sites, underground utilities, landscaping, etc.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Causes serious eye irritation. Suspected of causing cancer.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: DANGER: Extremely flammable aerosol. Contains gas under pressure, may explode if heated. Vapors may ignite explosively and cause a flash fire. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONS/PREVENTION: Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not spray on an open flame or other ignition source. Pressurized container; Do not pierce or burn, even after use. Vapors may ignite explosively and cause a flash fire. Prevent buildup of vapors by opening windows and doors to achieve dross ventilation. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture of the substances listed below with nonhazardous additions.

CHEMICAL DESCRIPTION	CAS NO.	%WT.
Propane	74-98-6	15 – 20%
Calcium Carbonate	1317-65-3	10 – 17%
VM&P Naphtha	64742-89-8	10 – 17%
n-butane	106-97-8	5 – 12 %
Titanium dioxide	13463-67-7	4 – 8%
Mineral Spirits	64742-47-8	4 – 8%

Specific percentages and ingredients may be claimed as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse opened eye cautiously for several minutes with plenty of running water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If exposed and concerned , of if you feel unwell, get medical advice/attention.

INGESTION: If swallowed rinse out mouth with water. **DO NOT INDUCE VOMITING!** Contact physician or poison control center. Show container or label.

INHALATION: If difficulty in breathing, move to fresh air; consult doctor immediately if any complaints or continued difficulty breathing.

MOST IMPORTANT SYMPTOMS AND EFFECTS: Dizziness.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION NEEDED: No further relevant information available.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: CO_2, extinguishing powder, or water spray**.** Fight larger fires with water spray.

SPECIAL FIRE FIGHTING PROCEDURES/ EQUIPMENT: A respiratory protective device against the effects of fumes/dust/aerosol. (See Section 8).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Can form explosive gas-air mixtures. Do not spray on an open flame or other ignition source.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES/ EQUIPMENT: Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. See Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as emergency procedures. Ensure adequate ventilation.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING STORAGE: Use only in well ventilated areas. Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

OTHER PRECAUTIONS: **KEEP AWAY FROM CHILDREN! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

PROPANE – CAS 74-98-6	
PEL (USA) REL (USA) TLV (USA)	Long-term value: 1800 mg/m3, 1000 ppm Long-term value: 1800 mg/m3, 1000 ppm Refer to Appendix F
N-BUTANE – CAS 106-97-8	
REL (USA) TLV (USA)	Long-term value: 1900 mg/m3, 800 ppm Short-term value: 2370 mg/m3, 1000 ppm

ENGINEERING CONTROLS/ VENTILATION: Use only in well-ventilated areas or provide local exhaust to keep TLV of Section 3 ingredients below acceptable limit.

RESPIRATORY PROTECTION: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

EYE PROTECTION: Tightly sealed goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Protective gloves. The glove material has to be impermeable and resistant to the substance.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash hands after use. Keep away from foodstuffs and animal feed. Do not eat or drink while working. Immediately remove all soiled and contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	
PHYSICAL STATE/COLOR:	Aerosol
ODOR:	Aromatic
ODOR THRESHOLD:	Not determined.
SOLUBILITY IN WATER:	Not determined.
SPECIFIC GRAVITY:	Between 0.77 and 0.85 (Water equals 1.00)
MELTING/FREEZING POINT:	Undetermined.
BOILING POINT:	-44°C (-47°F)
pH:	Not Determined
FLASH POINT/METHOD USED:	-19°C (-2°F)
FLAMMABILITY LIMITS (solid, gaseous):	Extremely flammable.
DANGER OF EXPLOSION:	In use, may form flammable/explosive vapor-air mixture.
LOWER EXPLOSION LIMIT:	1.5 Vol %
UPPER EXPLOSION LIMIT:	10.9 Vol %
VAPOR PRESSURE (mmHg):	Not determined.
RELATIVE DENSITY:	Between 0.77 and 0.85 (water equals 1.00)
VAPOR DENSITY:	Not determined.
EVAPORATION RATE:	Not applicable.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not determined.
AUTO-IGNITION TEMPERATURE:	Product is not self-igniting.
DECOMPOSITION TEMPERATURE:	Not determined.
VISCOSITY:	Not determined.
VOC CONTENT:	517.2 g/l / 4.32 lb/gl
VOC CONTENT (less exempt solvents):	48.7%
WATER:	22%
MIR VALUE:	0.54
SOLIDS CONTENT:	28.2%

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Not fully evaluated.

STABILITY & REACTIVITY: Stable at normal temperatures.

CONDITIONS TO AVOID: Do not allow the can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): No further relevant information available.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No dangerous decomposition products known.

HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID (POLYMERIZATION):** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:		
N-BUTANE – CAS 106-97-8		
Inhalative	LC50/4 h	658 mg/l (rat)

TITANIUM DIOXIDE – CAS 13463-67-7		
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>20000 mg/kg (rbt)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

Information on toxicological effects: **No data available.**
Sensitization: **No sensitizing effects known.**

CARCINOGENIC CATEGORIES

IARC (International Agency for Research on Cancer)	
TITANIUM OXIDE - CAS 13463-67-7	

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

EYES: Causes serious eye irritation.

SKIN: May cause skin irritation.

INGESTION: If swallowed, seek medical advice immediately and show this container or label.

INHALATION: Irritating to respiratory system. Do not breathe gas/fumes/vapor/spray.

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: Repeated overexposure can may cause permanent brain and nervous system damage. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Hazardous for water. Do not empty into drains.

PERSISTENCE AND DEGRADABILITY: The product is degradable after prolonged exposure to natural weathering processes.

BIOACCUMULATIVE POTENTIAL: No further relevant information available.

MOBILITY IN SOIL: No further relevant information available.

OTHER ADVERSE EFFECTS: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): 13.0 Ounce Aerosol Can (369 g)
PROPER SHIPPING NAME: PAINT
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: -
LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA Section 355 (extremely hazardous substances):
None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listing):
None of the ingredients is listed.

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:	
TITANIUM DIOXIDE	CAS 13463-67-7
ETHYL BENZEND	CAS 100-41-4
EPA:	
None of the ingredients is listed.	

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

SARA SECTION 355 (extremely hazardous substances): None of the ingredients in this product are listed.

SARA Title III, Section 313 Components: None of the ingredients is listed.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: **Health = 1**
Flammability = 3
Reactivity = 3
Other = -
Protection = -

REVISION DATE: 05/24/15

DISCLAIMER: This product was manufactured in the U.S.A. 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.