



SAFETY

DATA SHEET

Product: **MARC 114 T-A-P TRIPLE ACTION PENETRANT**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 114 T-A-P TRIPLE ACTION PENETRANT**

SDS DATE: 12/11/2023

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: marc1@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Lubricant

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable aerosol. **SIGNAL WORD AND PRECAUTIONARY STATEMENTS-- WARNING:** Flammable Aerosol. Gas under pressure. Container may explode if heated. **PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Store locked up. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Dispose. of contents and container in accordance with local, state, and national regulations. **HAZARDS NOT OTHERWISE CLASSIFIED:** N/A.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following percentage of chemicals of unknown toxicity: 0%.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
1,1-Difluoroethane	75-37-6	60 – 100%

SECTION 4: FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. **SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops and persists. **INGESTION:** If swallowed, **DO NOT INDUCE VOMITING** unless directed to do so by medical authority. Never give anything by mouth to an unconscious person. Seek immediate medical attention. **INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention. **ACUTE HEALTH HAZARDS:** Anesthetic effects, central nervous system depression, narcosis. **CHRONIC HEALTH HAZARDS:** None known. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical. **UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream. **SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self-Contained Breathing Apparatus with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Flammable vapors may collect in low lying areas. **HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Refer to Section 8 for proper Personal Protective Equipment. **METHODS AND MATERIALS FOR CONTAINMENT: SPILL:** Clean up with rag or use some non-combustible material, sand, earth or vermiculite.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/STORAGE: Protect from sunlight. Use only in well-ventilated areas. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container. Do not pierce or burn, even after use. Store locked up. **OTHER PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE! Flammable vapors may collect in low lying areas. **INCOMPATIBILITY:** Strong oxidizers.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA-PEL	ACGIH TLV
1,1-Difluoroethane	N/A	N/A

ENGINEERING CONTROLS/VENTILATION: Material is heavier than air. Material may concentrate in low lying areas. Normal or forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred. **MECHANICAL:** N/A. **RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded. **EYE PROTECTION:** Safety glasses. **SKIN PROTECTION/PROTECTIVE GLOVES:** Wear suitable gloves. **OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear suitable protective clothing. **WORK HYGIENIC PRACTICES:** Handle according to established industrial hygiene and safety practices. Wash hands thoroughly with soap and water after use and before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	Clear
COLOR:	Colorless
PHYSICAL STATE:	Aerosol
ODOR:	Solvent odor.
pH:	N/A
SOLUBILITY IN WATER:	<1%
SPECIFIC GRAVITY: (H ₂ O = 1)	0.92
FREEZING POINT:	N/D
BOILING POINT:	<-20°F
FLASH POINT(METHOD USED: TCC)	>60°F (16°C)
EVAPORATION RATE:	>1.6
FLAMMABILITY:	N/D
FLAMMABILITY LIMITS:	UPPER: N/D LOWER: N/D
VAPOR PRESSURE (mmHg):	N/D
VAPOR DENSITY:	>2
SOLIDS:	N/D
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/D
VOLATILITY INCLUDING WATER (%):	97%
VOLATILE ORGANIC COMPOUNDS (VOC):	4.7%
AUTO-IGNITION TEMPERATURE:	N/D
DIELECTRIC STRENGTH (Volts):	N/D
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Strong oxidizers. **CHEMICAL STABILITY:** Stable. **CONDITIONS TO AVOID:** Temperatures above 122°F may cause bursting. **INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizers. **HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of carbon. **POSSIBILITY OF HAZARDOUS REACTIONS:** None known. **HAZARDOUS POLYMERIZATION:** None under normal conditions. **CONDITIONS TO AVOID (POLYMERIZATION):** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not established. **ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin. **EYES:** Causes irritation, redness and tearing. **SKIN:** Brief contact is not irritating. May cause skin irritation, localized defatting, redness, itching with prolonged or repeated contact. Can be absorbed through the skin with prolonged and widespread contact. **INGESTION:** Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps. **INHALATION:** Causes dizziness, anesthetic effects, central nervous system depression and narcosis. **MEDICAL CONDITIONS AGGRAVATED:** None known. **ACUTE HEALTH HAZARDS:** **CHRONIC HEALTH HAZARDS:** None known. **CARCINOGENICITY:** OSHA: No. ACGIH: No. NTP: No. IARC: No. **OTHER:** N/A.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not established. **BIODEGRADABILITY:** Component or components of this product are not biodegradable. **BIOACCUMULATION:** This product is not expected to bioaccumulate. **SOIL MOBILITY:** This product is mobile in soil. **OTHER ECOLOGICAL HAZARDS:** None known.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INSTRUCTIONS: Dispose of in accordance with federal, state, and local regulations. Containers may be hazardous when empty. **RCRA STATUS:** Waste likely considered hazardous waste U161 (Methyl Isobutyl Ketone), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZE(S): Aerosol Can

PROPER SHIPPING NAME: LUBRICATING OIL, GREASE OR PETROLEUM.

HAZARD CLASS: NONE

ID NUMBER: NONE

PACKING GROUP: N/A

LABEL STATEMENT: LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemicals are listed or exempt. **CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Fire hazard. **311/312 HAZARD CATEGORIES:** Fire hazard. **313 REPORTABLE INGREDIENTS:** Methyl Isobutyl Ketone 108-10-1. **STATE REGULATIONS:** This product contains a chemical known to the state of California to cause birth defects or other reproductive harm and cancer. **INTERNATIONAL REGULATIONS:** All components are listed or exempted.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1; Flammability = 3; Reactivity = 1; Other = None; Protection = A.

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