



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: 12/07/17

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: Aerosol lubricant penetrates deeply, dissolves rust. Freezing Action loosens bolts. Use for exhaust flanges and all exposed outdoor equipment.

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.



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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.

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, 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-COLOR:** Clear
Colorless
- PHYSICAL STATE:** Aerosol



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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



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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.

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 SIZES(S): Aerosol Can (9 Oz.)
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 = -
Protection = A

REVISION DATE: 012/07/17

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.