



SAFETY DATA SHEET

Product: **MARC 259 RUST-AWAY**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 259 RUST-AWAY**

SDS DATE: 12/28/2018

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

RECOMMENDED USE: Rust conversion coating.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Eye irritation category 2A, skin irritation category 2.

SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS - Warning: Causes serious eye irritation. Causes skin irritation. Wear protective gloves. Wear eye protection. Wash hands thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN 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 attention.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% by WT.</u>
Acrylic Polymer	Mixture	10 - 20
Tannic Acid	1401-55-4	2 - 5
Diethylene Glycol Monoethyl Ether	111-90-0	1 - 2

SECTION 4: FIRST AID MEASURES

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Eye contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin contact: Causes skin irritation.

Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation watering redness.

Skin contact: Adverse symptoms may include the following—irritation, redness

Ingestion: No specific data.



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Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: In a fire or if heated, a pressure increase will occur and the container may burst

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment.

PROTECTIVE EQUIPMENT: Safety glasses, protective gloves

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container.

OTHER PRECAUTIONS: Do not eat, drink or smoke when using product. Wash hands after using.

STORAGE: Store above freezing; avoid hot temperatures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>EXPOSURE LIMITS</u>
Diethylene Glycol Monoethyl Ether	111-90-0	TWA = 25 ppm

VENTILATION: Use with adequate ventilation.

RESPIRATORY PROTECTION: Not generally required.

EYE PROTECTION: Safety glasses.

SKIN PROTECTION/PROTECTIVE GLOVES: Rubber gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not generally required.

WORK HYGIENIC PRACTICES: Do not eat, drink or smoke when using product. Wash hands after using.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE-
PHYSICAL STATE:** Liquid



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COLOR: Tan
ODOR: Mild
pH: 2
MELTING/FREEZING POINT: 32°F
BOILING POINT: 212°F
FLASH POINT/METHOD USED: °F
SPECIFIC GRAVITY (H₂O = 1): 1.10
SOLUBILITY IN WATER: miscible

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Converts rust to protective iron tannate.

STABILITY: Stable.

CONDITIONS TO AVOID: Do not freeze. Do not mix with other coatings or chemicals.

INCOMPATIBILITY (MATERIAL TO AVOID): Alkalis, strong oxidizers,

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide and dioxide.

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

Diethylene Glycol Monoethyl Ether--

Acute Oral Toxicity: Oral LD-50 (rat) = 6,031 mg/kg; Dermal LD-50 (rabbit) – 9,143 mg/kg; LC-50 (rat, 8 hrs.) > 5.24mg/l

EYES: Causes serious eye irritation. Adverse symptoms may include the following: pain or irritation, watering and redness.

SKIN: Causes skin irritation and redness.

INGESTION: No specific data.

INHALATION: Irritating to mouth, throat and stomach.

ACUTE HEALTH HAZARDS: Serious eye irritation.

CHRONIC HEALTH HAZARDS: No known significant effects or critical hazards.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No known significant effects or critical hazards.

CARCINOGENICITY: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Diethylene Glycol Monoethyl Ether--

LC-50 (fish, 96 hrs.)=6,010 mg/l; EC-50 (daphnid, 48 hrs.) = 1,982 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): All

PROPER SHIPPING NAME: PAINT, VARNISH, COMPOUND, PAINT OR, VARNISH REMOVER, LIQUID

HAZARD CLASS: None



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ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): All components listed or exempt.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): All components listed or exempt.

311/312 HAZARD CATEGORIES: All components listed or exempt.

313 REPORTABLE INGREDIENTS: All components listed or exempt.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 0
Reactivity = 0
Other =
Protection =

REVISION DATE: 12/28/2018

N/A = Not Applicable, N/D = 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.