

SAFETY DATA SHEET



SECTION 1 – IDENTIFICATION AND COMPANY DETAIL

Product Name: RV-50 Neutralizer
Product Code(s): RV-50
Recommended Use: For use in the Electro-Chemical Etching Process
Manufacturers Name: Monode Marking Products, Inc.
Address: 9200 Tyler Boulevard
Mentor, OH 44060

Emergency Telephone: (440) 975-8802, available during offices hours,
8:00am – 5:00pm EST, Monday – Friday, in English.

Fax Number: (440) 975-8836
Date Prepared: 30 March 2015

HMIS	
H	1
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PPE [†]	
[†] Sec. 8	

SECTION 2 – HAZARDS IDENTIFICATION



Hazardous Pictogram:

Signal Word: **WARNING**

Precautionary Statement: Harmful if swallowed.
Do not swallow.
Avoid Skin and Eye contact.

Inhalation: N/A
Ingestion: No significant effects known or expected.
Skin contact: Mild irritation.
Eye contact: Mild irritation.

This product, when used specifically as directed and for its intended purpose (i.e. mild electrolytic etching) and in conjunction with proper work procedures and policies and sound hygienic practices, does not constitute a hazard to personnel.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Not considered Hazardous under current OSHA Regulations.

Hazardous Components (specific chemical identity/ Common name):

SOLIDS:

LIQUIDS:

TRADE SECRET: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Skin contact: Wash with soap and water.



SAFETY DATA SHEET

Eye contact: Flush eyes with thoroughly with water for 15 minutes; if irritation continues, consult physician.
Ingestion: Induce vomiting. Consult Physician. Product contains Alkanolamine soaps and Alkanolamine.
Inhalation: N/A
Always seek medical attention if irritation continues.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog, dry chemical powder or appropriate foam.
Special fire fighting procedures: If water boils off, use water fog, carbon dioxide, foam, dry chemical.
Fire fighting equipment/instructions: Firefighters must use standard protective equipment, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Unusual fire and explosions hazards: Not known

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment: rubber gloves, safety goggles, optional-apron

Steps to be taken in the event of accidental release:

Small Spills: Dilute with water and mop up thoroughly to avoid residual slipperiness.

Large Spills: Use suitable absorbent and dispose of in DOT approved waste containers.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in the event of spillage or chemical release: Dilute with water and mop up thoroughly to avoid residual slipperiness.

Waste disposal method: Carefully neutralize with acid to pH of 5-5/ Let settle and skim off any oil layer. Neutralize water layer to pH 7-8 and discharge to sewer or waste disposal system. Capable of biological oxidation. Disposal of material should be in compliance with all current local, state and federal regulations.

Precautions to be taken in Handling and Storage: Keep container tightly closed. Keep from freezing (32 degrees [F]) Wash hand thoroughly after handling. No eating, drinking or smoking in work area.

Incompatibility: (materials to avoid) Strong oxidizers

Hazardous Polymerization: May Occur

Other Precautions: Wash hands thoroughly after handling.

SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Occupation Exposure Limits: N/A

Personal Protective Equipment:

Respiratory System: Not required

Skin and Body: Optional-Apron

Hands: Rubber gloves optional for sensitive skin.



SAFETY DATA SHEET

Eyes: Safety glasses or goggles
Other/Special: Local exhaust is sufficient.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid and suspension.
Color: Green fluorescent fluid.
Odor: amine odor
Odor Threshold: N/A
pH: 9.3 to 9.7
Boiling Point: 212 Degrees (F)
Melting/Freezing Point: N/A - Freezing below 32 degrees (F)
% Volatile: pGreater than 60
Flash Point: N/A
Fire Hazards in presence of various substances: N/A
Auto-ignition temperature: N/A
Explosive Properties: No risk
Lower explosion limit: N/A
Oxidizing properties: N/A
Vapor Pressure: N/A
Evaporation Rate: Like water
Density: Like water
Solubility: Complete (100%)
Vapor Density: Like water

SECTION 10 – REACTIVITY DATA

Stability: STABLE
Conditions to avoid: N/A
Incompatibility: (materials to avoid) Contact with strong oxidizers
Hazardous Decomposition or By-products: N/A
Hazardous polymerization: MAY OCCUR.

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No IARC: No OSHA: No

The toxicological information for the components is: N/A

Acute effects

Causes mild eye irritation.

Causes mild skin irritation.

Material is irritating to mucous membranes.

May be harmful by ingestion or if contacted with skin.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION



SAFETY DATA SHEET

Potential as Pollutant: Material is not considered a pollutant.

SECTION 13 – DISPOSAL CONSIDERATIONS

Effective waste disposal treatment should be utilized. COD – 495,000ppm

Biological: Capable of biological oxidation

SECTION 14 – TRANSPORT INFORMATION

Special Precautions: Keep container tightly closed. Keep from freezing (32 degrees [F]).

This is a Non-Hazardous product.

UN Number

US DOT (United States Department of Transportation): Not Regulated

IMO/IMDG (International Maritime Dangerous Goods): Not Regulated

IATA (International Air Transport Association): Not Regulated

ADR (Agreement on Dangerous Goods by Road (Europe)): Not Regulated

RID (Regulations Concerning The International Transport of Dangerous Goods (Europe)): Not Regulated

AND (European Agreement Concerning The Carriage of dangerous Goods by Inland Waterways): Not Regulated

SECTION 15 – TRANSPORT INFORMATION

Safety Phrases: N/A

Risk Phrases: N/A

Regulations: N/A

SECTION 16 – OTHER INFORMATION

Source of key data used to

Compile Safety Data Sheet:

Material Safety Data Sheet. Essentially similar to U.S. Department of Labor Form OSHA-20

Issue Date:

26 Feb 1987

Changes to Issue:

04 January 2021

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