SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION AND COMPANY DETAIL

Product Name: 30 NR Electrolyte
Product Code(s): 30NR
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 office hours,
8:00am - 5:00pm EST, Monday - Friday, in English.
Fax Number: (440) 975-8836
Date Prepared: 10 April 2015

HMIS	
H	1
F	0
R	1
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: Nausea, vomiting, facial discoloration and diarrhea are possible. Toxic to digestive tract and central nervous system. May decrease ability of blood to carry oxygen.
Skin contact: Irritation, redness and pain. May cause liver damage. Dermatitis may possibly be aggravated.
Eye contact: Irritation, redness and pain. May cause corneal damage.
.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components (specific chemical identity/ Common name):

SOLIDS: Mixed Nitrate Salts (trade secret) 5% ACGIH TLV: TXDS: ORL-HMN LDLO: 500 MG/KG

LIQUIDS: Alkanolamine (trade secret) 5% ACGIH TLV: 3ppm TWA TXDS: ORL-RAT LDSO: 710 mg/kg
Surfactant (trade secret) 1%

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: Flush thoroughly with water for fifteen minutes.
Eye contact: Flush thoroughly with water for fifteen minutes.
Ingestion: Give emetic and call physician.
Inhalation: N/A

Always seek medical attention if irritation continues.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media: N/A
Special fire fighting procedures: N/A
Unusual fire and explosions hazards: N/A

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
SMALL SPILLS: Flush with water to sewer.
LARGE SPILLS: Use suitable absorbent and dispose of in dot approved waste containers.
WASTE DISPOSAL: To be performed in compliance with all current local, state and federal regulations.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in the event of spillage or chemical release:
Waste disposal method: To be performed in compliance with all current local, state and federal regulations.
Precautions to be taken in Handling and Storage: Keep container tightly closed, and keep from freezing (32°F). Wash hands thoroughly after handling.
Other Precautions: None

SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Occupation Exposure Limits: N/A

Personal Protective Equipment:
Respiratory System: N/A
Skin and Body: Optional apron
Hands: Optional for sensitive skin, rubber gloves
Eyes: For extra protection, wear safety goggles
Other/Special: Local exhaust sufficient

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Slight odor
Odor Threshold:	N/A
pH:	6.0 to 6.4
Boiling Point:	212°F
Melting / Freezing Point:	Melting - N/A / Freezing - below 32°F
Flash Point:	N/A
Fire Hazards in presence of various substances:	N/A
Auto-ignition temperature:	N/A
Explosive Properties:	N/A
Lower explosion limit:	N/A
Oxidizing properties:	N/A
Vapor Pressure (mm Hg.):	@25°C (77°F):23.7
Evaporation Rate:	N/A
Density:	N/A
Solubility:	Complete (100%)
Vapor Density:	N/A

SECTION 10 – REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	If solution dries; heat open flame sparks.
Incompatibility: (materials to avoid)	If solution dries; reducing agents, organic material, oxidizers.
Hazardous Decomposition or By-products:	None; But surrounding fire may produce nitrogen oxides.
Hazardous polymerization:	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No IARC: No OSHA: No

Health Hazards (Acute & Chronic);
Nausea, vomiting ,diarrhea, and possible facial discoloration.
Toxic to digestive tract and central nervous system. May decrease ability of blood to carry oxygen.
Irritation, redness and pain if gets in contact with skin or eyes.
May cause corneal damage.
May cause liver damage.
Dermatitis may possibly be aggravated.

SECTION 12 – ECOLOGICAL INFORMATION

N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Observe all federal, state and local environmental regulations.

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

IRRITANT
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 February 1987
Changes to Issue:	04 January 2021

WE CANNOT ANTICIPATE ALL CONDITIONS UNDER WHICH THIS INFORMATION AND OUR PRODUCTS, OR THE PRODUCTS OF OTHER MANUFACTURERS IN COMBINATION WITH OUR PRODUCTS MAY BE USED. WE ACCEPT NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATIONS OF THIS INFORMA-TION OR THE SAFETY AND SUITABILITY OF OUR PRODUCTS, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TESTS TO DETERMINE THE SAFETY AND SUITABILITY OF EACH SUCH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES. UNLESS OTHERWISE AGREED IN WRITING, WE SELL THE PRODUCTS WITHOUT WARRANTY, AND BUYERS AND USERS ASSUME ALL RESPONSIBILITY AND LIABILITY FOR LOSS OR DAMAGE ARISING FROM THE HANDLING AND USE OF OUR PRODUCTS, WHETHER USED ALONE OR IN COMBINATION WITH OTHER PRODUCTS.

THE FORMULAS USED FOR THESE PRODUCTS ARE CONSIDERED CONFIDENTIAL TRADE SECRETS. THIS INFORMATION IS FOR OUR CUSTOMERS EYES ONLY.

MONODE COMPLIES WITH ALL APPLICABLE RULES AND REGULATIONS UNDER THE TSCA. (TOXIC SUBSTANCES CONTROL ACT)

© MONODE MARKING PRODUCTS, INC.