

MATERIAL SAFETY DATA SHEET

Finished Product



Date-Issued: 7/13/2004
MSDS Ref. No: RX-1800-18
Date-Revised: 7/13/2004
Revision No: New MSDS

ECG Glass Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ECG Glass Cleaner
PRODUCT DESCRIPTION: Foaming Cleaner
PRODUCT CODE: RX1800-18

MARKETER
NTE Electronics, Inc.
44 Farrand Street
Bloomfield, NJ 07003

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC: (613) 996-6666
Emergency Phone: 1-888-748-1777 8:00 am – 5:00 pm CST

Phone: 973-748-5089

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S. NUMBER	Weight %
Propane	74-98-6	<1.5
Butane	106-97-8	<3.0
Isopropanol	67-63-0	<7
Water	7732-18-5	<90

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	Exposure Limits 8 Hours TWA (PPM)		
	OSHA PEL	ACGIH TLV	Supplier
Propane	1000	1000	
Butane	800	800	
Isopropanol	400	400	

3. HAZARDS IDENTIFICATION

Emergency Overview:

Potential Health Effects:

INHALATION: Major route of exposure. Vapor is heavier than air and can cause suffocation by reducing the available oxygen for breathing. If misused. Breathing high concentrations for vapor may and may lead to narcosis, cardiac irregularities, unconsciousness or even death.

EYES: Liquid can cause slight, temporary irritation with slight temporary corneal injury. Vapors can irritate eyes.

SKIN: Product may cause skin irritation. Repeated or prolonged contact may cause redness with burning, drying, and cracking of skin.

INGESTION: Ingestion may cause irritation of the digestive tract. Signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination, and fatigue). Nausea and vomiting will most likely occur.

This product has not been classified as a carcinogen or a probable carcinogen by NTP, IRAC, or OSHA.

4. FIRST AID MEASURES

INHALATION:

Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt medical attention.

EYE CONTACT:

Flush eyes with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:

Remove contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of water. Use soap if available. If irritation persists, seek medical attention.

INGESTION:

Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash point & method:	Non-flammable	
Flammable limits:	LEL: NE on blend	UEL: NE on blend
Autoignition temperature:	NE	

GENERAL HAZARD:

Contents under pressure: Do not expose to temperatures greater than 120 F as containers may burst or vent.

FIRE FIGHTING INSTRUCTIONS:

Fire fighters should wear self contained, positive-pressure breathing apparatus and avoid skin contact.

FIRE FIGHTING EQUIPMENT:

Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes and oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Ventilate area well and avoid breathing vapors. Pick up paper and place in sealed containers for disposal.

WATER SPILL: Miscible in water. Contain and dispose of properly

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

Keep container capped when not in use. Store in cool, well-ventilated place out of direct sunlight and away from incompatible materials. (See STABILITY AND REACTIVITY Section 10.) Follow all MSD Sheet and label warnings even after container is emptied.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS:

- General ventilation acceptable
- Local exhaust ventilation acceptable.
- Mechanical ventilation recommended.
- Use explosion-proof ventilation equipment.
- Do not use in confined spaces without mechanical ventilation equipment.

See section 2 for component exposure guidelines.

Personal Protection:

RESPIRATOR:

If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapor Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limit and are unknown, use a supplied air respirator.

HAND PROTECTION:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Gloves recommended | |
| <input checked="" type="checkbox"/> Solvex | <input checked="" type="checkbox"/> Neoprene |
| <input checked="" type="checkbox"/> Butyl | <input checked="" type="checkbox"/> Buna |
| <input checked="" type="checkbox"/> Natural Latex | <input checked="" type="checkbox"/> Cotton/Jersey |

EYE PROTECTION:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Safety Glasses | <input type="checkbox"/> Chemical Goggles | <input type="checkbox"/> Full Face Shield |
|--|---|---|

OTHER RECOMMENDATIONS:

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Rubber Boots | <input type="checkbox"/> Splash-proof chemical resistant suit/apron |
|---------------------------------------|---|
-

9. PHYSICAL AND CHEMICAL PROPERTIES

Density	0.99	pH	10.2
Boiling Point	80C/176F	% Volatile	100
Freezing Point	0C/32F	% Solids	0
Vapor Density (Air=1)	4.0	Evaporation Rate (H20=1)	NIF
Solubility in Water	Soluble	Viscosity	N/A
Molecular Weight	N/A (mixture)	Physical State	LIQUID
Non-Exempt VOC (g/l)	99	Odor	Floral

Appearance: Cloudy liquid with floral odor.

10. STABILITY AND REACTIVITY

GENERAL:

STABLE

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Contact with open flame, heat.
Reactive alkali metals, strong acids & bases.

HAZARDOUS DECOMPOSITION:

Combustion yields carbon oxides

11. TOXICOLOGICAL INFORMATION

RESULTS OF COMPONENT TOXICITY TEST PERFORMED:

HUMAN EXPERIENCE:

The solvents listed have been reported to effect the central nervous system. Long term exposure may cause lung, liver, or kidney damage.

12. ECOLOGICAL INFORMATION

FURTHER INFORMATION:

None Found

13. DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classification:

Federal, State, and Local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

14. TRANSPORTATION INFORMATION

U.S. DOT Information
Proper Shipping Name: CONSUMER COMMODITY ORM-D
Hazard Class: NA
UN Number: NA
Limitations: NA

IATA

Proper Shipping Name: CONSUMER CIMMODITY
Hazard Class: 9

Packing Group: NA
UN Number: ID8000
Limitations: FOR DOMESTIC SHIPMENTS ONLY/FOR INTERNATIONAL SHIPMENTS PLEASE CONTACT TECH SPRAY'S SHIPPING DEPRATMENT

IMO

Proper Shipping Name: AEROSOLS IN LIMITED QUANTITIES OF CLASS 2
Class: 2.2
UN Number: UN 1950
Packaging Group: NA
EMS: 2-13
MFAG: 305-306
Marine Pollutant: NA
Canadian TDG: NA
IMDG Page: 9022

15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

MSDS complies with OSHAs Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302:

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986

TITLE III Sections 302, 311, 312 and 313:

Section 302- Extremely hazardous substances (40 CFR 355):
None of the chemicals are Section 302 hazards

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370)

- By our hazard evaluation, this product is non-hazardous.
- By our hazard evaluation, this product is hazardous. It should be reported under the following EPA hazard.
- Immediate (acute) health hazard
- Delayed (chronic) chronic health hazard
- Sudden release of pressure hazard
- Reactive hazard
- Fire

Section 313- List of Toxic Chemicals (40 CFC 372)

This product contains the following chemicals (at levels of 1% or greater) which are found on the 313 of Toxic Chemicals.

CHEMICAL	C.A.S. NUMBER	WEIGHT %

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA listed.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA 40 CFR 261) Subpart C & D:
Refer to Section 11. For RCRA classification.

FERDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 (FORMERLY SECTION 307), 40 CFR 116 (FORMERLY SECTION 311) This product contains the following chemicals which are listed:

CHEMICAL	C.A.S. NUMBER	WEIGHT %

CLEAN AIR ACT: ---No Information---

STATE REGULATIONS:**CALIFORNIA PROPOSITION 65:**

This product contains the following ingredients which appear on the California proposition 65 list:

CHEMICAL	C.A.S. NUMBER	WEIGHT %
-----------------	----------------------	-----------------

---None of the chemicals are on the proposition 65 list---

INTERNATIONAL REGULATIONS:

CANADA WHMIS: No current information

EUROPE EINECS NUMBERS: No current information

16. OTHER INFORMATION**LABEL INFORMATION:**

European risk and safety phrases: No current information

European symbols needed: No current information

Canadian WHMIS symbols: No current information

NFPA HAZARD RATING:

(2) Fire (1) Health (0) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

22-MAR-99, Created, B. Riffel

17-JUN-99, Section 1 (Part Number), B. Riffel

21-NOV-00, Updated Section 2, B. Riffel

10-APRIL-01, Updated Section 14, R. Prichard

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No information Found

LTD-QTY – Limited Quantities.

REFERENCES:

Code of Federal Regulations (CFR)

The Sigma-Aldrich Library of Regulatory and Safety Data

Chemical Guide and OSHA Hazard Communication Standard

Various Federal, State & Local Regulations

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, Inc. or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.