

FOUR SEASONS PN'S 59069 AND 59070

ANDREAS HABERLAND, SPECTRONICS CORPORATION - CLEANING SOLUTION

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MATERIAL SAFETY DATA SHEET

Revised:2/29/00 MDS ID:Tp9000 Andreas Haberland, Spectronics Corp. Pg 1

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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Product Name: TP-9000 GLO-AWAY(tm),TP-9000-0008 (8oz),TP-9000-0016 (16oz)  
Use: Cleaning Fluorescent Dye

MANUFACTURER:

Andreas Haberland, Spectronics Corp.  
956 Brush Hollow Rd  
Westbury, NY 11590

Emergency Telephone No. (24 hours): Chemtrec, 1-800-424-9300  
For calls originating outside continental U.S.: 202-483-7616

For product information call 800-641-1133. For calls originating outside  
the continental U.S.: 516-333-1254.

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Section 2 - HAZARDOUS INGREDIENTS

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Product	Common Name/Chemical Name	CAS No.	%W	PEL(ppm)	TLV(mg/m3)
Glo-Away	2-butoxyethanol	111-76-2	<1	25	120
	NA	*NA	NA	NA	NA
	NA	*NA	NA	NA	NA

\*No data available on these ingredients from the manufacturer. They are  
believed to be nontoxic.

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Section 3 - HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: May cause eye, skin and respiratory system irritation.

Primary Routes of Exposure: Eye; Skin; Ingestion; Inhalation.

Eye Contact: Can cause irritation.

Skin Contact: Irritation can occur following prolonged or repeated contact.

Inhalation (breathing): May cause respiratory tract irritation resulting in  
coughing, sore throat and runny nose.

Ingestion (swallowing): Ingestion can cause gastrointestinal irritation.

Aggravation of Existing Conditions: Exposure to this product is not  
expected to contribute to, worsen or aggravate any existing medical  
conditions.

HMIS HAZARD RATING: Health: 0, Fire: 0, Reactivity: 0.

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Section 4 - FIRST AID MEASURES

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Eye Contact: Flush eyes with plenty of water for 15 minutes. If irritation develops, consult a physician.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation develops, consult a physician. Wash contaminated clothing separately before reuse.

Inhalation (breathing): Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

Ingestion (swallowing): Call a physician immediately. Induce vomiting only as directed by medical personnel.

Note to Physician: Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

Section 5 - FIRE FIGHTING MEASURES

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Flash Point: Not applicable

Explosive Limit: LEL(%): Not Determined

UEL(%): Not Determined

Autoignition Temperature: Not Determined.

Hazardous Combustion and Decomposition Products: None

Fire and Explosion Hazards: None

Extinguishing Media: NA

Fire-Fighting Procedures/Equipment: NA

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Section 6 - ACCIDENTAL RELEASE MEASURES

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Spill Containment and Recovery: For a small spill, flush with copious amount of water until no color to be observed. For a large spill, use an absorbent and place contaminated material in a suitable container for disposal.

Disposal: Disposal must be in accordance with applicable governmental regulations. However, the recommended dilution poses no adverse threat to the environment so that it can be flushed to the sewers.

Section 7 - HANDLING AND STORAGE

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Storage Conditions: Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed. Keep from freezing.

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Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. Contaminated clothing and shoes should be thoroughly cleaned and dried before reuse.

Empty Container Precautions: Empty containers can retain product residues. Do not reuse empty container for food, clothing, or products for human or animal consumption or where skin contact may occur. Protect from freezing.

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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Engineering Controls/Ventilation: Maintain airborne concentrations below the established exposure limits (see PEL and TLV in section 2) by providing adequate ventilation. General (dilution) ventilation may be acceptable, however, local exhaust ventilation is recommended when vapors mists, or dusts can be released.

Eye Protection: Wear safety goggles. An eye wash facility should be readily available.

Skin Protection: Wear protective clothing and appropriate impervious. Because a variety of protective gloves exist, always consult glove manufacturer to determine the proper type for specific operation.

Respiratory Protection: Avoid breathing vapor and/or mist. If occupational exposure limits are exceeded wear NIOSH/OSHA approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR = 1910.134.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance: Light blue

Odor: None

Physical State: Liquid

Specific Gravity: (Water=3D1): ~ 1

Vapor Pressure: 68 F (20 = C): NA

Vapor Density (Air=3D1): Nonvolatile

Percent Volatile by Volume (%): NA

Evaporation Rate (Butyl Acetate=3D1): NA

Solubility in Water: 100%

pH: 11

Boiling Range: > 212 F (100 C)

Note: The physical data presented above are typical values and should not be construed as a specification.

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Section 10 - STABILITY AND REACTIVITY

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Chemical Stability: Stable under normal conditions of storage and use.  
Conditions to Avoid: None.  
Incompatibility with other Materials: Oxidizers and reducers.  
Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: No Data

Section 11 - TOXICOLOGICAL INFORMATION

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Data for 2-Butoxyethanol (CAS 111-76-2)\*  
Oral LD50 Rat 470 mg/kg  
Dermal LD50 Rabbit 200 mg/kg  
Inhalation LC50 Rat 700 ppm/7hr  
Eye Irritation Rabbit No data

\*2-Butoxyethanol (CAS 111-76-2) amounts to less than 1% of this product.

Section 12 - ECOLOGICAL INFORMATION

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No Data.

Section 13 - DISPOSAL CONSIDERATIONS

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Disposal: Dispose of in accordance with all local, state, and federal regulations.  
General Statements: Federal regulations may apply to empty container.  
State and /or local regulations may be different.  
General Recommendations: Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based on environmental acceptability:  
(1) recycle or rework if at all feasible,  
(2) incinerate at an authorized facility  
(3) treat at an acceptable waste treatment facility.

Special Instructions: Be sure to contact the appropriate government environmental agencies if further guidance is required.

Section 14 - TRANSPORT INFORMATION

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DOT Shipping Name: Cleaning compound, class 55; DOT Label: Not Applicable  
DOT Identification No.: Not Applicable;

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Section 15 - REGULATORY INFORMATION

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U.S. Federal Regulatory Information:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III Information:

Ozone-Depleting Chemicals: No regulated ingredients. Section 302

Extremely Hazardous Substances: No regulated ingredients. Section 302

Reportable Quantity: Not Applicable. Section 311/312-Hazard Categories

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

Immediate (Acute) Health Hazard: No

Delayed (Chronic) Health Hazard: No

Section 313-Toxic Chemicals: No regulated ingredients.

TSCA: The chemical components of this product are contained on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).=20

CERCLA: No regulated ingredients.

State Right-To-Know:

Pennsylvania - New Jersey R-T-K:

NAME	CAS Number	%W
2-butoxyethanol	111-76-2	<1

California - California Proposition 65: No regulated ingredients.

CONEG: None.

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Section 16 - OTHER INFORMATION

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USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the or the chemical to which the information refers. It is the responsibility of the users to comply with all applicable federal, state and local laws and regulations.