

CHEMTRONICS[®]

Technical Data Sheet

TDS # 1668

Static Free[™] Plast-N-Glas[®]

PRODUCT DESCRIPTION

Static Free[™] Plast-N-Glas[®] effectively cleans, polishes and eliminates static charges. A single application dissipates electrostatic buildup while also removing dirt, grease, ink, fingerprints and nicotine stains. Static Free[™] Plast-N-Glas[®] will not streak, smear, scratch, or abrade. Leaves surfaces thoroughly clean for improved optical clarity and distortion-free reading.


- For use on nonporous transparent surfaces
- Cleans and controls static in one application
- Reduces attraction of dust, dirt and other airborne contaminants
- Nonstreaking foaming spray will not “run” or drip
- Controls buildup of potentially harmful electrostatic charges
- Noncorrosive
- Nonabrasive, nonflammable

TYPICAL APPLICATIONS

Static Free[™] Plast-N-Glas[®] effectively cleans and polishes:

- Control panels, Computer Housings, Oscilloscopes
- Laboratory, Engineering and Office Equipment
- Medical Equipment
- Photographic Processing Equipment, Graphic Arts Tables

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Specifications and Physical Properties	
Appearance	Foamy White Spray
Odor	Clean Fresh Scent
Spray Type	Dense Non-Dripping Foam
Can Pressure @ 77°F (25°C)	55 PSIG
pH (Liquid Only)	9.0
Flame Projection Test	Nonflammable
Shelflife	5 years
RoHS/WEEE Status	

COMPATIBILITY

Static Free[™] Plast-N-Glas[®] is excellent for use on glass and most plastics. As with any cleaning product, compatibility with substrate must be determined on a non-critical area prior to use.

<u>Material</u>	<u>Compatibility</u>
ABS	Excellent
Buna-N	Excellent
EPDM	Excellent
Graphite	Excellent
HDPE	Excellent
Kynar™	Excellent
LDPE	Excellent
Lexan™	Excellent
Neoprene	Excellent
Nylon™ 66	Excellent
Cross-Linked PE	Excellent
Polypropylene	Excellent
Polystyrene	Excellent
PVC	Excellent
Silicone Rubber	Excellent
Teflon™	Excellent
Viton™	Excellent

ENVIRONMENTAL IMPACT DATA

ENVIRONMENTAL IMPACT DATA			
CFC	0.0%	VOC	11.1%
HCFC	0.0%	HFC	0.0%
CL Solv.	0.0%	ODP	0.0

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

USAGE INSTRUCTIONS

For industrial use only.

Read MSDS carefully prior to use.

Shake well before using. Spray lightly 8-12 inches from surface. Wipe and polish with clean lint-free cloth such as Chemtronics® Controlwipes™.

AVAILABILITY

ES1668 16 oz. Aerosol

NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS® does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Information: 800-TECH-401

Product Identification

STATIC FREE™ PLAST-N-GLAS®

Product Code: ES1668, ES1668C

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Wt. % Range
Deionized water	7732-18-5	50.0-95.0
Isopropanol	67-63-0	1.0-20.0
Propane	74-98-6	1.0-20.0
Isobutane	75-28-5	1.0-20.0
Propylene glycol n-butyl ether	5131-66-8	1.0-20.0

SECTION 3: HAZARD IDENTIFICATION

Emergency Overview: Clear, colorless liquid with fresh odor. This product is not flammable. Vapors released may become flammable if allowed to accumulate. Liquid will irritate eyes and skin under repeated or prolonged exposure. Breathing high concentrations of product vapor may produce drowsiness and a headache.

Potential Health Effects:

Eyes: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation.

Skin: Contact causes skin irritation.

Ingestion: Harmful if swallowed. Irritating to mouth, throat and stomach. May cause vomiting.

Inhalation: Harmful if inhaled. High concentrations of vapors in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

Pre-Existing Medical Conditions Aggravated by Exposure: Skin, eye.

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel if irritation develops or persists.

Skin: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persist. Wash clothing separately before reuse.

Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

US Flame Projection: Nonflammable

LEL/UEL: Not established (% by volume in air)

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Large Spills: Shut off leak if possible and safe to do so. Wear self-contained breathing apparatus and appropriate personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container for proper disposal. Do not flush to sewer. Avoid runoff into storm sewers and ditches, which lead to waterways.

Small Spills: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container for proper disposal.

SECTION 7: HANDLING AND STORAGE

Avoid prolonged or repeated contact with eyes, skin, and clothing. Wash hands before eating. Use with adequate ventilation. Avoid breathing product vapor or mist. Do not reuse this container. Store in a cool dry place away from heat, sparks and flame. Keep container closed when not in use. Do not store in direct sunlight.

KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS/PERSONNEL PROTECTION

Exposure Guidelines:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
Isopropanol	200 ppm	400 ppm	400 ppm
Propylene glycol n-butyl ether	NA	NA	NA

Work/Hygienic Practices: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. If vapor concentration exceeds TLV, use NIOSH approved organic vapor cartridge respirator. Wear safety glasses with side shields (or goggles) and rubber or other chemically resistant gloves when handling this material.

NFPA and HMIS Codes:

	NFPA	HMIS
Health	1	1
Flammability	1	1
Reactivity	0	0
Personal Protection	-	B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Opaque white foam
Odor: Floral fragrance
pH: 9.0-9.5 (liquid)
Vapor Pressure: 19 mm Hg @ 20 C
Boiling Point: 212 F (100C) (liquid only)
Vapor Density: >1 @ 68F
 (Air=1)

Solubility in water: > 90% by wt.
Specific Gravity: 0.95 (liquid only)
 (Water =1)
Evaporation Rate: >1
 (Butyl acetate=1)
Viscosity: 1 (Approx.)
Percent Volatile: > 98% (Approx.)

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable. Conditions to Avoid: Do not spray near open flames, red hot surfaces or other sources of ignition.
Incompatibility: Do not mix strong oxidizing agents.
Products of Decomposition: Thermal decomposition may release carbon monoxide, carbon dioxide and incompletely burned hydrocarbons.
Hazardous Polymerization: Will not occur Conditions to Avoid: NA

SECTION 11: TOXICOLOGICAL INFORMATION

<u>Inhalation:</u>			<u>Ingestion:</u>		
Isopropanol	LD50/rats	12,000 ppm/4hrs	Isopropanol	LD50/rats	5,800 mg/kg
			Propylene glycol n-butyl ether*	LD50/rats	3,300 mg/kg
<u>Skin:</u>			<u>Eye:</u>		
Propylene glycol n-butyl ether	LD50/rabbits	3100 mg/kg	Isopropanol	RabbitSL-MOD	
Isopropanol	Rabbit	MLD			

*Information received from manufacturer.
 Cancer Information: No ingredients listed as human carcinogens by NTP or IARC
 Reproductive effects: none Teratogenic effects: none Mutagenic effects: none

SECTION 12: ECOLOGICAL INFORMATION

Environmental Impact Information
 Avoid runoff into storm sewers and ditches, which lead to waterways. Water runoff can cause environmental damage.

REPORTING

US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is: **1-800-424-8802**

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations. Water runoff can cause environmental damage.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name	UN Number	Class	Sub. Risk	Pkg. Group	Hazard Label	Pkg. Instr.	Max. Quantity
<u>Air:</u> Aerosols nonflammable	UN 1950	2.2	NA	NA	Nonflammable Gas	203 Y203	75 k.g; 30 kg
<u>Ground:</u> Consumer Commodity ORM-D	NA	ORM-D	NA	NA	ORM-D	Pkg. Auth.	173.306

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION

This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

This information should be included on all MSDSs copied and distributed for this material.

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All ingredients of this product are listed on the TSCA Inventory.

WHMIS: Class A

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

This product is a Level 1 aerosol. Do not puncture or incinerate containers. Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.