

MATERIAL SAFETY DATA SHEET
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EMERGENCY PHONE NO.: (FOR SPILL, LEAK, FIRE,
EXPOSURE OR ACCIDENT): 1-800-535-5053

*****ANTI-STATIC GLASS & PLASTIC CLEANER*****
27150

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Anti-Static Glass Cleaner (aerosol)
PRODUCT DESCRIPTION: **New & improved** multi-purpose cleaning formula contains *no* ammonia or dyes. Hard-working heavy-duty foam spray removes oils, grease, grime, dirt and grit, providing long-lasting anti-static protection for all glass and plastic surfaces. **Safe for use on LCD, CD/DVD, TFT, Plasma, coated glass and plastic screens and more.** Meets federal / State VOC emission requirements.
RESTRICTIONS: Non-restricted

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	CAS #	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Isopropanol	67-63-0	400 ppm	5,045 mg/kg (Rat)
Isobutane	75-28-5	800 ppm	N.E.

Carcinogenic: **OSHA = No** **NTP = No** **IARC = No**

SECTION III - PHYSICAL DATA

APPEARANCE: White colored, rich, foamy spray
ODOR: Classic "glass cleaner" perfumed scent
TYPICAL BOILING POINT: 205 degrees F. (96.11 degrees C.)
VAPOR DENSITY (Air = 1): >1
VAPOR PRESSURE: 1800 mmHg
EVAPORATION RATE (H2O = 1): <1
SPECIFIC GRAVITY:

SECTION IV - FIRE AND EXPLOSION DATA

HMIS RATING: Health – 1, Fire – 1, Reactivity - 0
FLASH POINT: Spray is non-flammable by standard aerosol test methods. Flash point for Isobutane propellant is established at -117° F. (-81.66° C.)
FLAMMABLE LIMITS (Propellant): LEL: 1.9 UEL: 8.4
EXTINGUISHING MEDIA: Alcohol foam, dry chemical, CO2
UNUSUAL FIRE AND EXPLOSION HAZARDS: *Keep away from open flame.* Heat of fire may cause aerosol containers to over-pressurize and fail explosively.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water fog.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician.
Skin Contact: Rinse skin under running water. If irritation develops or persists after use, consult a physician.
Inhalation: If vapors are irritant, move to fresh air. Administer oxygen to victim of severe overexposure as necessary. If victim has stopped breathing begin CPR and get

immediate medical attention. Ingestion: If contents are swallowed, consult physician immediately. DO NOT induce vomiting unless directed by physician or other qualified medical personnel. If spontaneous vomiting occurs, keep victim's head below hips to prevent vomitus from entering lungs.
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: N.E.
PRIMARY ROUTES OF ENTRY: Inhalation, skin, eye contact.
HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE: N.E.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal use and storage conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): This product may produce oxides of carbon when thermally decomposed.
INCOMPATIBILITY: Avoid strong oxidizers, halogens, inorganic acids, aldehydes and halogen compounds.
CONDITIONS TO AVOID: Do not exposure foam to sparks or open flames.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove ignition sources, ventilate area. Take up spill on an inert absorbent material and place into a DOT approved closed-top container for disposal.
WASTE DISPOSAL: Dispose of waste or unwanted product in accordance with existing Federal, State and Local environmental regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A NIOSH approved respirator is recommended if TLVs or PELs are exceeded.
PROTECTIVE GLOVES: Generally not necessary, but rubber or plastic gloves may be worn during use to prevent skin contacts.
EYE PROTECTION: Safety glasses, safety goggles or face shields ensure prevention of accidental eye contact.
OTHER PROTECTIVE EQUIPMENT: N.A.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye contact and prolonged skin contact with the foam. Avoid prolonged or excessive inhalations of vapors. Use in adequately ventilated areas. Intentional concentration and inhalation of vapors displaces oxygen and may be harmful or fatal.
PRECAUTIONS TO BE TAKEN IN STORING: Store containers below 120°F (48°C), away from heat sources, open flame, and out of direct sunlight.

SECTION X - SHIPPING DATA

U.N./N.A. NUMBER: UN1950
DOT/IATA SHIPPING NAME: (DOT): Aerosols, non-flammable, (each not exceeding 1L capacity); (IATA): Aerosols, non-flammable (each not exceeding 1 L capacity)
HAZARD CLASS: (DOT): 2.2; (IATA): 2.2
REQUIRED SHIPPING LABELS: (DOT): 2, Non-flammable gas (air shipment only); (IATA): 2, Non-flammable gas.
DOT EXCEPTION: See code 49 section 172.101, column (8A). Section 173.306(h) permits "limited quantity" materials (inner packaging which do not exceed 1L capacity / 61 cubic inches and for which internal pressures do not exceed 180 psig at 130° F.) meeting section 171.8 definition of "consumer commodity" to be renamed "Consumer commodity" and

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reclassified ORM-D when shipped via ground mode,
domestically.

IMDG SHIPPING NAME: Aerosols, 2

FREIGHT CLASS: NMFC 48580, Sub 3

LTL: 55

TL: 35

MW: 36

T.S.C.A. STATUS: All components listed

PREPARED BY: Roger Hanson

DATE PREPARED: 03-28-03

SUPERCEEDS: XX-XX-XX

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE