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Kensington®

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: X81288D – Dust Guardian w/ Anti-Static Cleaner

MANUFACTURER: KENSINGTON TECHNOLOGY GROUP
333 Twin Dolphin
Redwood Shores, CA 94065

EMERGENCY TELEPHONE: 1-800-255-3924
24 HOUR EMERGENCY PHONE

PACKAGER: AEROFIL TECHNOLOGY, INC.
225 INDUSTRIAL PARK DRIVE
SULLIVAN, MO 63080

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS #	%	OSHA PEL	ACGIH TLV	STEL
01	AQUA AMMONIA 26	01336-21-6	>1	35ppm	25ppm	
02	ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	4	25ppm	25ppm	
03	ISOPROPYL ALCOHOL	67-63-0	8	400ppm	400ppm	500ppm
04	193 SURFACTANT	None Known	>1			
05	DEIONIZED WATER		71			
06	PERFUME (optional)					
07	ISOBUTANE	75-28-5	15	none estab.	none estab	

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEWCONTACT YOUR LOCAL POISON INFORMATION CENTER.

EFFECTS OF OVEREXPOSURE – EYE CONTACT: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE WHEN FIGHTING FIRES. KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER FOG.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE SOURCES OF IGNITION AND VENTILATE AREA. PERSONS NOT PROPERLY EQUIPPED SHOULD BE EXCLUDED FROM AREA. STOP SPILL AT SOURCE – PREVENT SPREADING. AVOID INHALATION OF VAPORS. AVOID SKIN CONTACT WITH LIQUID. SOAK UP ON ABSORBENT MATERIAL AND PLACE INTO PROPER CONTAINER FOR DISPOSAL. USE NON-SPARKING SCOOPS FOR FLAMMABLE MATERIALS. CLEAN WALKING SURFACES THOROUGHLY TO REDUCE SLIPPING HAZARD. IF UNEMPTIED AEROSOLS ARE TO BE DISPOSED OF, DO SO IN ACCORDANCE WITH ALL LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

SECTION 7 – HANDLING AND STORAGE

HANDLING: DO NOT DROP OR PUNCTURE CONTAINER.

STORAGE: DO NOT STORE ABOVE 120 F. DO NOT STORE IN DIRECT SUNLIGHT. KEEP AWAY FROM HEAT SOURCES, OPEN FLAME, SPARKS.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: PROVIDE SUFFICIENT MECHANICAL VENTILATION (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

RESPIRATORY PROTECTION: IF WORK PLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, USE A NIOSH/MSHA APPROVED RESPIRATOR. CONSULT YOUR SAFETY EQUIPMENT SUPPLIER FOR RECOMMENDATIONS.

SKIN PROTECTION: WEAR IMPERVIOUS GLOVES IF METHOD OF USE INVOLVES SKIN CONTACT WITH PRODUCT. CONSULT YOUR SAFETY VENDOR FOR GLOVE RECOMMENDATIONS.

EYE PROTECTION: WEAR SAFETY GLASSES AT MINIMUM, MORE EXTENSIVE PROTECTION MAY BE NECESSARY DEPENDING ON HOW THE PRODUCT IS TO BE USED.

OTHER PROTECTIVE EQUIPMENT: WEAR IMPERVIOUS CLOTHING IF BODILY EXPOSURE IS ANTICIPATED. CONSULT YOUR SAFETY SUPPLY VENDOR FOR RECOMMENDATIONS.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY. REMOVE AND LAUNDER CLOTHING IF CONTAMINATED.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPROXIMATE BOILING POINT:	180 F	SOLUBILITY IN H ₂ O:	100%
FREEZING POINT	: -128%	APPEARANCE/ODOR:	Cloudy liquid/Sweet Ammonia Smell
VOLATILITY/VOLUME %	: 27%	SPECIFIC GRAVITY(H ₂ O = 1):	.9866
VAPOR PRESSURE (mm Hg)	: Not Determined	PH:	11.21
VAPOR DENSITY (Air = 1)	: >1		
EVAPORATION RATE (Butyl Acetate = 1):	Not Determined		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

INCOMPATIBLE MATERIALS: STRONG ACIDS; AVOID USE OF NON-FERROUS METALS; STRONG OXIDIZING AGENTS; STRONG ALKALIES; HEAT; CAUSTICS; AMINES; ALKANOLAMINES; ALDEHYDES; CHLORINATED COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11 – TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Material must be disposed of in compliance with all federal, state, and local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

CONSUMER COMMODITY, ORM-D

SECTION 15 – REGULATORY INFORMATION

HAZARD CLASS NUMBER:

DOT SHIPPING NAME : CONSUMER COMMODITY, ORM-D

DOT UN/NA NUMBER :

PACKAGING GROUP :

CPSC designation: NOT FLAMMABLE per 16 CFR 1500.3(c) (6)(viii), Contents of Self-Pressurized Containers.

Reportable quantity (RQ) EPA Regulation 40 CFR 302 (CERCLA Section 102): 1000# Ammonium Hydroxide.

Threshold planning quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304): N/A

Toxic chemical release reporting, EPA Regulation 40 CFR 372 (SARA Sections 311-313): Isopropyl Alcohol

Volatility/% Volume– 27% (finished product)

SECTION 16 – OTHER INFORMATION

HMIS RATINGS – HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0

DISCLAIMER

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazard related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

Revision Date: 3/1/06

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name: KENSINGTON DUST GUARDIAN
ANTI-STATIC SPRAY #19050D

ACL, Inc.

1960 E. Devon Ave.
Elk Grove Village, IL 60007 U.S.A.

Phone: (847) 981-9212
Fax: (847) 981-9278
Emergency: (800) 332-3073

Chemical Name: Proprietary
Chemical Family: Quaternary Ammonium Compounds
Chemical Formula: Proprietary

Molecular Weight: Not Available
Synonym(s): None
Material Use: Anti-Static Agent

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approximate Concentration %	C.A.S., N.A., or U.N. Numbers	Exposure Limits	LD ₅₀ /LC ₅₀ (Species and Route)
Isopropanol	1	67 - 63 - 0	400ppm - OSHA	Rabbit (Dermal) 16,000 mg/kg

SECTION III - PHYSICAL DATA

Physical State	Liquid	Bolling Point (°C)	Over 93
Evaporation Rate	1 est. (Water = 1)	Freezing Point (°C)	Less than 0
Odor Threshold (ppm)	Unknown	Solubility in Water (20°C)	Miscible
Specific Gravity	0.99	% Volatile (by Volume)	98.5
Vapor Pressure (mm)	@20°C = 18 est	Coefficient of Water/Oil Distribution	Unknown
Vapor Density (air = 1)	2 est.	Density (g/ml)	0.99
Odor & Appearance	Clear liquid with pleasant odor.		pH 7.1 ± 1

SECTION IV - FIRE AND EXPLOSION HAZARD

Flammable: Yes No
Means of Extinction: Not flammable.

Special Procedures: None.

TDG Flammability Classification	Unknown	Sensitivity to Static Discharge	Unknown
Explosion Data (Sensitivity to Chemical Impact)	Unknown	Rate of Burning	Unknown
Auto-ignition Temperature (°C)	Unknown	Explosive Power	Unknown
Flashpoint (°C) & Method	TCC - Ext. flame greater than 60	Upper Explosion Limit (% by Volume)	Unknown
		Lower Explosion Limit (% by Volume)	Unknown
Hazardous Combustion Products	Solids Only: Carbon Oxides, Nitrogen Oxides		

SECTION V - REACTIVITY DATA

Chemical Stability: Yes.

Incompatibility to Other Substances: No.

Reactivity and Under What Conditions: Unknown.

Hazardous Decomposition Products: Unknown.

Material Name: KENSINGTON DUST GURADIAN ANTI-STATIC SPRAY #19050

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCTRoute of Entry: Skin Contact Skin Absorption X Eye Contact Inhalation Acute Inhalation Chronic X Ingestion
Effects of Acute Exposure to Product: Solution may irritate eyes and may be harmful or fatal if swallowed.

Effects of Chronic Exposure to Product: Unknown.

Synergistic Materials	Unknown	LD ₅₀ of Product (Species and Route)	Unknown	
Exposure Limits	Unknown	LC ₅₀ of Product (Species and Route)	Unknown	
Infancy	Non Irritating under normal usage.		Sensitization	Unknown

Carcinogenicity Reproductive Effects Teratogenicity Mutagenicity

Effects of above are unknown.

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment: With proper usage, none is required.

Gloves	None	Footwear	None
Respiratory	None	Clothing	None

Engineering Controls: Normal room ventilation.

Leak and Spill Procedure: Rinse away with water to sewer or wipe up. Residue may be slippery and may be rinsed away with copious amounts of water.
Residue may be mopped/scraped up or absorbed onto material and incinerated.

Waste Disposal: Rinse into sewer with copious amounts of water or dispose of in landfill.

Handling Procedures and Equipment: No special requirements.

Storage Requirements: Store in cool, dry place out of direct sun.

Special Shipping Information: None required. Material is not regulated by D.O.T.

SECTION VIII - FIRST AID MEASURES

Skin: Wash with soap and water.

Eye: Flush with water. Contact a physician if necessary.

Inhalation: Remove to fresh air and contact physician if necessary.

Ingestion: Drink copious amounts of water/milk and contact physician.

General Advice: Do not smoke while using, keep away from children, wash hands after using.

SECTION IX: PREPARATION OF M.S.D.S.

Flammability 0
Reactivity 0
Health 1
Other 0

Additional Information/Comments: est. = estimate TCC = Tag Closed Cup Ext. = Extinguishes

Sources Used: "Hazardous Products Act" - SOR/88-64
"Dangerous Properties of Industrial Materials" - Sax

Prepared By: ACL, Inc.

Phone Number: 847-981-9212

Original Release Date: 3/1/92

Revision Date: 03/01/2006