MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

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

MANUFACTURER: KENSINGTON TECHNOLOGY GROUP
2000 ALAMEDA DE LAS PULGAS
SECOND FLOOR
SAN MATEO, CA 94403

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.

EFFECTS OF OVEREXPOSURE – SKIN CONTACT: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. SKIN ABSORPTION OCCURS READILY.

EFFECTS OF OVEREXPOSURE – INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION. PROLONGED BREATHING OF NONE-IRRITATING CONCENTRATIONS MAY RESULT IN DAMAGE TO THE LIVER, KIDNEYS, LUNGS, AND RED BLOOD CELLS CAUSING BLOOD IN THE URINE.

EFFECTS OF OVEREXPOSURE – INGESTION: Not Determined.

PRIMARY ROUTE(S) OF ENTRY: SKIN ABSORPTION & CONTACT INHALATION
EYE CONTACT INGESTION

SECTION 4 – FIRST AID MEASURES

FIRST AID – EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

FIRST AID – SKIN CONTACT: IF THIS CHEMICAL CONTACTS THE SKIN, PROMPTLY WASH THE CONTAMINATED SKIN WITH SOAP AND WATER. IF THIS CHEMICAL PENETRATES THE CLOTHING, PROMPTLY REMOVE THE CLOTHING AND WASH THE SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION PROMPTLY.

FIRST AID – INHALATION: IF A PERSON BREATHES LARGE AMOUNT OF THIS CHEMICAL, MOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE. IF BREATHING HAS STOPPED, PERFORM MOUTH-TO-MOUTH RESUSCITATION. KEEP THE AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

FIRST AID- INGESTION: IF THIS CHEMICAL HAS BEEN SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 5 – FIRE FIGHTING MEASURES

CONCENTRATE INFORMATION:

FLASH POINT 75° F
EXTINGUISHING MEDIA : WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE

FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. FOR AEROSOL PRODUCTS – EXPOSURE TO TEMPERATURES OVER 130 F MAY CAUSE CONTAINERS TO BURST, RELEASING HIGHLY FLAMMABLE GAS.

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 RECOMMEDATIONS.

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 H2O: 100%

FREEZING POINT	: -128%	APPEARANCE/ODOR:	Cloudy liquid/Sweet Ammonia Smell
VOLATILITY/VOLUME %	: 27%		
VAPOR PRESSURE (mm Hg)	: Not Determined	SPECIFIC GRAVITY(H2O = 1):	.9866
VAPOR DENSITY (Air = 1)	: >1	PH:	11.21

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: 7/17/02