



DEK ESD MAT CLEANER  
Part Number(s)  
173010 Ea., 340G(12oz), can  
173044 Ea., 1 Gallon, Refill

## DEK ESD MAT CLEANER

### MATERIAL SAFETY DATA SHEET

01.01.2008

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#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DEK ESD MAT CLEANER

COMPANY NAME: DEK INTERNATIONAL, GmbH  
ADDRESS: Geroldstrasse 28  
PO Box 240  
CH-8037 Zurich  
Switzerland

TELEPHONE NUMBER +41 1 274 80 20  
FAX NUMBER +41 1 274 80 22

**Product Name:** ESD Mat Cleaner.  
**Chemical Family:** A blended compound of demineralized water alcoxypropanols and amine cleaning compounds.  
**Packaged By:** Micro Care Corp., 34 Ronzo Rd., Bristol, CT, 06010, USA CAGE/FSCM: OATV9  
**Emergency Telephone:** CHEMTREC (800) 424-9300

#### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

##### Material

Chemical Name	Wt.%Range	TLV Units
Demineralized Water CAS# 7732-18-5	70.0-80.0	None Assigned
Isopropanol CAS# 67-63-0	1.0-5.0	400 ppm
Tetrasodium Ethylenediaminetetraacetate CAS# 1310-73-2	<1.0	None Assigned
Sodium Hydroxide CAS# 1310-73-2	<2.0	None Assigned
Poly(oxy-1,2-ethanediyl) CAS# 9016-45-9	<5.0	None Assigned
Dodecylbenzene Sulfonic Acid CAS# 27176-87-0	10.0-15.0	None Assigned
Quaternary Ammonium Compounds CAS# 68071-95-4	<5.0	None Assigned
Diethanol Amide of Coconut Fatty Acid	<5.0	None Assigned

All components of this material are listed on the TSCA inventory.

#### SECTION 3: HAZARDS IDENTIFICATION

**Emergency Overview:** Not Flammable. Colorless liquid with a mild odor. Liquid will irritate eyes on exposure. Keep away from children.

**Potential Health Effects:**

**Eyes:** Mild irritant. Persons wearing contact lenses should wear chemical protective safety glasses when exposed to this product.

**Skin:** For prolonged repeated contact: dry/chapped skin.

**Ingestion:** Can cause nausea, stomach cramps, vomiting, and diarrhea.

**Inhalation:** No observable effects of overexposure.

All DEK MSDS Sheets Are Updated Regularly and Available on-line at  
[www.dek.com](http://www.dek.com)

**SECTION 4: FIRST AID MEASURES**

**Eyes:** Immediately flush with water. Remove any contact lenses and continue flushing for 15 minutes, lifting eyelids occasionally until no evidence of the chemical remains. If irritation develops or persists call a physician.

**Skin:** Wash promptly with soap and water. Remove and wash contaminated clothing and shoes before reuse.

**Ingestion:** If conscious, immediately give 2-4 glasses of water. Do not induce vomiting. Do not give stimulants. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation:** Remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Note to Attending Physician:** There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point:** Not Flammable TCC

**Flammable Limits in Air:** Not Determined

**Extinguishing Media:** Not Flammable.

**Special Firefighting Procedures:** Evacuate personnel. Wear self-contained breathing apparatus (SCBA) and full protective equipment. Keep containers cool. Containers are not pressurized with propellant, however, excessive heating may generate pressure within a closed container causing violent bursting and dangerous propelling of container.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spill or Leak:** Evacuate area, absorb spilled liquid with commercial, nonflammable absorbent i.e. sand, vermiculite. Remove unprotected personnel. Protected personnel should remove ignition sources and shut off fire sources. Provide ventilation. Shovel (spark proof) absorbent material into drums and close. Do not flush to sewer.

**SECTION 7: HANDLING & STORAGE**

Avoid breathing vapors or mist. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Eye Protection:** Use chemical protective safety glasses.

**Protective Clothing:** Where there is potential for skin contact, use appropriate impervious gloves, apron, pants and jacket.

**Exposure Guidelines:** Applicable Exposure Limits.

Isopropanol:

PEL (OSHA) 400 ppm TWA

TLV (ACGIH) 400 ppm TWA

**NFPA, NPCA-HIMIS RATING:**

Health 0

Flammability 1

Reactivity 0

**Personal Protection rating to be supplied by user depending on use conditions.**

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

**Physical Form:** Clear blue liquid

**Odor:** Mild

**Boiling Point:** 100° C / 212° F

**pH:** 7.2

**Solubility in Water:** Complete

**Specific Gravity:** .9 @ 15° C / 60° F

**% Volatile by Weight:** >70

**Vapor Pressure:** Not determined

**Density:** 1.03

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**SECTION 10: STABILITY & REACTIVITY**

<b>Chemical Stability:</b>	Material is stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibilities:</b>	Avoid strong oxidizers.
<b>Decomposition Products:</b>	Burning may produce carbon monoxide and/or carbon dioxide.

**SECTION 11: TOXOLOGICAL INFORMATION**

**Carcinogenicity:** IARC, NTP, OSHA or ACGIH lists None of the components present in ESD Mat Cleaner as a carcinogen.

**SECTION 12: ECOLOGICAL INFORMATION**

None available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations

**SECTION 14: TRANSPORTATION INFORMATION****Transport for ESD Mat Cleaner:**

<b>Ground Transport:</b>	Liquid Cleaning Compound N.O.S. Not Hazardous, Not Regulated
<b>Air Transport:</b>	Liquid Cleaning Compound N.O.S. Not Hazardous, Not Regulated

**SECTION 15: REGULATORY INFORMATION**

**Section 313 Supplier Information:** This material contains the following toxic chemicals subject to the emergency reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight
	None	

*This information must be included in all MSDSs that are copied and distributed for this material.*

**Title III Hazard Communications Sections 311, 312**

Acute	Yes
Chronic	No
Fire	No
Reactivity	No

**SECTION 16: OTHER INFORMATION**

For additional information, contact DEK: Telephone (908) 782-4140, x266 or email: [techsupport@microcare.com](mailto:techsupport@microcare.com)