



## MATERIAL SAFETY DATA SHEET

### Edwal Anti-Static Film Cleaner

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#### SECTION I PRODUCT IDENTIFICATION

**Trade Name:** Edwal Anti-Static Film Cleaner  
**Product Code(s):** ED-AFC-4; ED-AFC-32  
**Manufacturer:** Brandess/Kalt/Aetna  
701 Corporate Woods Pkwy  
Vernon Hills, IL 60061  
847-821-4237  
**Emergency Phone #** Chemtrec 800-424-9300  
**Product Form:** Liquid Solution  
**Synonyms:** None

**Date:** 01/23/2006

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#### SECTION II HAZARDOUS INGREDIENTS

Ingredients	CAS #	%
Tetrachloroethylene	000127-18-4	<20%
2-Propanol	67-63-0	<70%

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#### SECTION III PHYSICAL DATA

<b>Boiling Point (°F)</b>	NE	<b>Appearance and Odor</b>	Clear, colorless liquid, alcohol odor
<b>Vapor Pressure (MM hg)</b>	120	<b>Specific Gravity</b>	1.31
<b>Vapor Density (Air=1)</b>	4.54	<b>Evaporation Rate (Ether =1)</b>	.35
<b>Solubility In Water</b>	Insoluble		

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#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

**Flash Point (°F)** – 74°F      **Flammable Limits**      **LEL** – 2%      **UEL** – 12%  
**Extinguishing Media** – Use water fog, “alcohol” foam, dry chemical or CO<sub>2</sub>.  
**Special Fire Fighting Procedures** – **Warning: FLAMMABLE.** Clear fire area of unprotected personnel.  
**Unusual Fire & Explosion Hazards** – Containers exposed to intense heat from fire should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.

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#### SECTION V – HEALTH HAZARD INFORMATION

**Symptoms and Effects of Overexposure** – Headache, dizziness, and nausea. Prolonged or repeated skin contact may lead to drying, irritation, and dermatitis. Eye irritation.  
**Medical Conditions Aggravated by Exposure** – None Known

##### First Aid

**Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.  
**Skin:** Remove contaminated clothing and wash skin with lots of water. Seek medical attention. Wash clothes.  
**Inhalation:** Move victim to fresh air and restore breathing if necessary. Remain with victim until emergency medical personnel arrive.  
**Ingestion:** Contact local Poison Control Center or physician immediately!

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#### SECTION VI – REACTIVITY DATA

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**Stability** – Normally Stable

**Incompatible Materials** – Avoid heat, open flame, welding arc, and oxidizers.

**Hazardous Decomposition Products** – Hydrogen Chloride, Carbon Monoxide, traces of Phosgene and Chlorine

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### SECTION VII – SPILL or LEAK PROCEDURES

**Procedures** – Wear personal protective equipment (see Section VIII). Remove heat and ignition sources; ventilate the area. Clean up with absorbent material.

**Waste Disposal Method** – Dispose of in accordance with Local, State, and Federal Regulations.

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### SECTION VIII – SPECIAL PROTECTION INFORMATION

**Respiratory** – If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH approved respirator for ammonia.

**Eyewear** – If splash potential exists, wear chemical safety goggles.

**Clothing/Gloves** – Wear neoprene or other chemical-resistant gloves.

**Ventilation** – Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health safety personnel.

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### SECTION IX – SPECIAL PRECAUTIONS

Store in closed container. This product does not contain any carcinogens (at 0.1% or greater) as defined by IARC, NTP, or OSHA.

The information and recommendations contained in this material safety data sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.