

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ACUFINE POWDER FILM DEVELOPER **DATE:** 04/20/02
PRODUCT CODE(S): AFD-32; AFD-128; AFD-5

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: BRANDESS/KALT/AETNA
701 CORPORATE WOODS PKWY
VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS
800-821-5488

FOR EMERGENCY ASSISTANCE INVOLVING A SPILL, LEAK, OR FIRE WITH THIS PRODUCT CALL CHEMTREC 800-424-9300.

PRODUCT FORM: BLENDED POWDER
SYNONYMS: NONE

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	CAS #	WEIGHT %
HYDROQUINONE	123-31-9	Less than 5%
SODIUM CARBONATE	5968-11-6	Less than 5%

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
COLOR: OFF-WHITE TO LIGHT TAN
SOLUBILITY IN WATER: COMPLETE
EVAPORATION RATE: <1
STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS
VAPOR PRESSURE: N/A
SPECIFIC GRAVITY: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NON FLAMMABLE
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL
UNUSUAL FIRE FIGHTING PROCEDURES: NONE KNOWN
RESPIRATORY PROTECTION: WEAR SELF-CONTAINED BREATHING APPARATUS
PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND
FULL PROTECTIVE GEAR.

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: MIXING WITH VERY STRONG ACIDS AND OXIDIZERS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: SULFUR DIOXIDE GASES
MAY BE EMITTED.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI HEALTH HAZARD DATA

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: NOT LISTED AS A CARCINOGEN BY NTP, IARD, OR OSHA

ACUTE TOXICOLOGICAL PROPERTIES: LOW TOXICITY TO HUMANS

EMERGENCY AND FIRST AID PROCEDURES:

EYES: MAY CAUSE SEVERE EYE IRRITATION. IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN: FLUSH AREA WITH COLD WATER. WASH WITH WARM SOAPY WATER.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION, REMOVE TO FRESH AIR. IF CONDITION PERSISTS SEEK MEDICAL ATTENTION.

IF SWALLOWED: CALL A PHYSICIAN IMMEDIATELY.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SMALL RELEASE: SMALL AMOUNTS MAY BE SWEEPED UP AND FLUSHED WITH LARGE QUANTITIES OF COLD WATER.

WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

STORAGE AND HANDLING: STORE IN A COOL, DRY, DARK PLACE. KEEP AWAY FROM EXCESSIVE HEAT.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED, OR FOR SYMPTOMS OF OVEREXPOSURE, WEAR A NIOSH APPROVED DUST /MIST RESPIRATOR.

VENTILATION: LOCAL, ADEQUATE EXHAUST

EYES: WEAR CHEMICAL GOGGLES.

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES.

The opinions expressed herein are those of qualified experts, chemists, and technicians supplied by various chemical manufacturers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information, these opinions, and the conditions of use of the product are not within the control of Brandess/Kalt/Aetna, it is the user's obligation to determine the conditions of safe use of the product.