

MATERIAL SAFETY DATA SHEET

ELJEN TECHNOLOGY
SWEETWATER, TX 79556

Emergency Phone (24 hours)
CHEMTREC (800) 424-9300

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Date: 19 January 2005

PRODUCT NAME: EJ-600 ZnS:Ag PHOSPHOR

SECTION I SUPPLIER INFORMATION

COMMON NAME EJ-600
CHEMICAL NAME Silver-activated zinc sulfide
FORMULA ZnS:Ag
PRODUCT CAS # 68611-71-2
MANUFACTURER ELJEN TECHNOLOGY
ADDRESS 300 CRANE STREET
SWEETWATER, TEXAS 79556
PHONE (325) 235-9468
FAX 325/ 235-2872

SECTION II HAZARDOUS INGREDIENT INFORMATION

COMPONENT	% WT.	OSHA-PEL	TLV-ACGIH
NA	***	***	***

INGREDIENT HAZARD STATEMENT

This material is subject to the reporting requirements of section 313 of title III of Superfund Amendment and Reauthorization Act of 1986 and CFR 40 PART 372.

*** None has been established and should be treated as a nuisance dust. TLV 1mg/m³
The compound contains less than 0.5% silver as part of its chemical structure.

SECTION III PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT	NA
MELTING POINT	NA
SPECIFIC GRAVITY (H₂O=1)	NA
VAPOR PRESSURE (mm Hg)	NA
VAPOR DENSITY (air =1)	NA
PERCENT VOLATILE BY VOLUME (%)	NA
EVAPORATION RATE (Ether=1)	NA
SOLUBILITY IN WATER	Insoluble

APPEARANCE AND ODOR Odorless, white powder

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SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): NA

AUTO-IGNITION TEMP: NA

FLAMMABLE LIMITS

LEL NA

UEL NA

EXTINGUISHING MEDIA:

Use extinguishing media suitable for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus.

Wear protective clothing appropriate to the surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

When material is exposed to high temperatures it may produce oxides of sulfur and/or hydrogen sulfide.

SECTION V REACTIVITY DATA

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: NA

INCOMPATIBILITY(Mat's. To Avoid): Oxidizing agents, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: NA

HAZARDOUS POLYMERIZATION: Will not occur.

AVOID: Not applicable

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SECTION VI HEALTH HAZARD DATA

In general, this material is considered to be of low toxicity. There are no reports in the literature of adverse effects attributed to zinc sulfide.

HMIS: Health-1, Flammability-0 Reactivity-0

ROUTES OF ENTRY

EYES:	NO	INHALATION:	Yes
SKIN:	NO	INGESTION:	Yes

ACUTE EFFECTS OF OVEREXPOSURE

EYE: Abrasive action of the powder can cause severe irritation.

SKIN: Material can enter body through an open wound in the skin.

INHALATION: May cause irritation to upper respiratory tract and coughing.
Remove from exposure immediately and obtain medical attention.

INGESTION: May cause gastrointestinal disturbances, nausea, vomiting and diarrhea.

CARCINOGENICITY: Zinc sulfide has not been identified as a known or suspected Carcinogen by NTP, IARC or OSHA.

NTP: NA **IARC:** NA **OSHA:** NA

CHRONIC HEALTH HAZARD: NA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Persons suffering from lung dysfunction should avoid exposure to dust.

EMERGENCY FIRST AID

EYE Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting upper and lower lids. Contact physician if irritation persists.

SKIN CONTACT: Wash affected area with mild soap and water.
Contact physician if irritation and inflammation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Call a physician.

INGESTION: Give person large amounts of water to drink.
Induce vomiting and obtain medical attention.

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SECTION IX ADDITIONAL INFORMATION

SARA HAZARD CATEGORIES

IMMEDIATE (ACUTE) HEALTH HAZARD: YES NO

DELAYED (CHRONIC) HEALTH HAZARD: YES NO

FIRE HAZARD: YES NO

REACTIVITY HAZARD: YES NO

SUDDEN RELEASE OF PRESSURE: YES NO

SARA SECTION 313 NOTIFICATION

THIS PRODUCT IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

CHEMICAL NAME

Zinc Sulfide

CAS

68611-71-2

%WT

100%

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