

# MATERIAL SAFETY DATA SHEET

ELJEN TECHNOLOGY  
SWEETWATER, TX 79556

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

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Date: 21 January 2004

**PRODUCT NAME: EJ-232 PLASTIC SCINTILLATOR**

## SECTION I SUPPLIER INFORMATION

**COMMON NAME** EJ-232  
**CHEMICAL NAME** Polyvinyltoluene + organic fluors.  
**FORMULA** C<sub>10</sub>H<sub>11</sub>  
**PRODUCT CAS #** 9017-21-4  
**MANUFACTURER** ELJEN TECHNOLOGY  
**ADDRESS** 300 CRANE STREET  
SWEETWATER, TEXAS 79556  
**PHONE** (325) 235-4276  
**FAX** (325) 235-0701

## SECTION II HAZARDOUS INGREDIENT INFORMATION

COMPONENT	% WT.	OSHA-PEL	TLV-ACGIH
POLYVINYLTOLUENE	>97%	N/A	N/A
ORGANIC FLUORS	<5%	N/A	N/A

**INGREDIENT HAZARD STATEMENT** Not applicable in this physical form.

## SECTION III PHYSICAL/CHEMICAL PROPERTIES

**BOILING POINT** Not applicable  
**MELTING POINT** approx. 70°C (160°F)  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1)** 1.03  
**VAPOR PRESSURE (mm Hg)** Not applicable  
**VAPOR DENSITY (air =1)** Not applicable  
**PERCENT VOLATILE BY VOLUME (%)** <0.2  
**EVAPORATION RATE (BUTYL ACETATE=1)** Not applicable  
**SOLUBILITY IN WATER** None

**APPEARANCE AND ODOR** Clear fluorescent solid plastic. No odor.



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## SECTION VI HEALTH HAZARD DATA

### ROUTES OF ENTRY

**EYES:** No.  
**SKIN:** No.  
**INHALATION:** No.  
**INGESTION:** No.

### ACUTE EFFECTS OF OVEREXPOSURE

**EYE:** Solid or dust may cause irritation or corneal injury due to abrasion.

**SKIN:** Mechanical injury only.

**INHALATION:** Vapors are unlikely due to physical properties.  
Dust may cause temporary irritation to upper respiratory tract.

**INGESTION:** No adverse effects anticipated other than obstruction if swallowed. Considered physiologically inert.

### CARCINOGENICITY:

**NTP:** Not applicable      **IARC:** Not applicable      **OSHA:** Not applicable

**CHRONIC HEALTH HAZARD:** Not applicable

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Not applicable.

### EMERGENCY FIRST AID

**EYE** Irrigate immediately with water for at least five minutes.  
Mechanical irritation only.

**SKIN CONTACT:** No adverse effects anticipated by this route of exposure.

**INHALATION:** No adverse effects anticipated by this route of exposure.

**INGESTION:** No adverse effects anticipated by this route of exposure.

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## SECTION VII HANDLING PRECAUTIONS

**EPA WASTE #:** Not applicable.  
**UN #:** Not applicable.  
**DOT CLASSIFICATION:** Not applicable.

### IN CASE OF RELEASE OR SPILLAGE

Sweep up and discard.

### WASTE DISPOSAL METHOD

Material does not leech. Bury in landfill or burn in adequate incinerator in accord with all applicable federal, state and local regulations.

### HANDLING AND STORAGE

No special precautions required. Avoid random accumulation of machining shavings to eliminate possible fuel source if ignited. Shavings will not self-ignite.

## SECTION VIII SPECIAL PROTECTION / CONTROL MEASURES

### RESPIRATORY PROTECTION

When machining or polishing, wear an approved dust mask or respirator.

### VENTILATION

Good general workplace ventilation.

### SKIN PROTECTION

No special precautions other than gloves and clean body-covering clothing for general protection.

### EYE PROTECTION

Use safety glasses when machining or sawing.

### WORK HYGIENE PRACTICES

No special requirements.

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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 MAY CONTAIN A TOXIC CHEMICAL (OR CHEMICALS) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>%WT</u>
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Not applicable

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