

SECTION 1: IDENTIFICATION**Product Identifier****Product Name:** EJ-426 Thermal Neutron Detector**Product Form:** Mixture**Variations:** EJ-426-0 EJ-426HD2
 EJ-426-0-PE EJ-426HD2-PE
 EJ-426-0-PE2 EJ-426HD2-PE2
 EJ-426-0-AM EJ-426HD2-AM
 EJ-426-0-PA EJ-426HD2-PA
 EJ-426-0-A EJ-426HD2-A**Intended Use of the Product**

Radiation detection applications.

Name, Address, and Telephone of the Responsible Party**Company/Manufacturer:** Eljen Technology
Address: 1300 W. Broadway
SWEETWATER, TEXAS 79556
USA
Phone: (325) 235-4276
Fax: (325) 235-0701
Website: www.eljentechnology.com**Emergency Telephone Number****Emergency Number:** ChemTel (24 hours)
United States, Canada, Puerto Rico, U.S. Virgin Islands: 1 (800) 255-3924
International: 1 (813) 248-0585 (Collect calls are accepted)**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US):** Not classified.**Label Elements****GHS-US Labeling:** No labeling applicable.**Hazards Not Otherwise Classified**

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200] and the Canadian Hazardous Products Act (HPA): this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form. This SDS covers the hazards and information of the materials contained within the article, in the event the product is damaged or mishandled. Under normal conditions of use these chemicals are not anticipated to be available for exposure.

Components With Unknown Acute Toxicity (GHS-US)

Not applicable.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Hazardous Components:

Any hazardous components not listed below are not present in quantities requiring disclosure.

Name	Product Identifier	Concentration (%)	Classification (GHS-US)
EJ-426	N/A (Article)	100	Not classified

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur, go into open air and ventilate suspected area.

Skin Contact: Gently wash exposed area with soap and water.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth thoroughly with water. Do NOT induce vomiting.

Most Important Symptoms and Effects, Both Acute and Delayed

General:

No symptoms are expected under normal conditions of use. Fine shavings and dust from machining or cutting may cause mechanical irritation to eyes, nose, throat, and lungs.

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Dust may cause temporary irritation to upper respiratory tract.

Skin Contact: Not irritating to skin. Mechanical injury only.

Eye Contact: Eye contact is not considered a potential route of exposure. Solid or dust may cause irritation or corneal injury due to abrasion.

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

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Agents: Water fog, foam, alcohol foam, carbon dioxide, dry chemical.

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not considered flammable, but will burn at high temperatures.

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Explosion Hazard: Not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Do not breathe fumes from fires or vapors from decomposition. Do not allow run-off from firefighting to enter drains or water courses.

Protection During Firefighting: Do not enter fire area without proper equipment, including respiratory protection.

Hazardous Combustion Products: Smoke and noxious gases (carbon monoxide and hydrocarbons).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: No special measures required.

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Carefully sweep up spilled material and place in suitable container for disposal. Material does not leech. Bury in landfill or burn in appropriate incinerator in accordance with all applicable federal, state and local regulations.

Reference to Other Sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Avoid random accumulation of shavings or dust to eliminate possible fuel source if ignited. Shavings will not self-ignite.

Storage Conditions: Store in a dry, cool, and well-ventilated place.

Incompatible Materials: None known.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not applicable.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

Eye/Face Protection: Use safety glasses when machining or cutting.

Skin and Body Protection: No special precautions other than gloves and clean, body-covering clothing for general protection.

Respiratory Protection: When machining, wear an approved dust mask or respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance	: Opaque, white, thin sheet
Odor	: No odor
Odor Threshold	: Not applicable
pH	: No data available
Melting Point	: approx. 98°C (208°F)
Boiling Point/Boiling Range	: Not applicable
Flash Point	: Not applicable
Evaporation Rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Lower Flammability/Explosion Limit	: Not applicable
Upper Flammability/Explosion Limit	: Not applicable
Vapor Pressure	: Not applicable
Vapor Density	: Not applicable
Density (not including backing)	: 2.0 - 2.1 g/cm ³
Solubility	: None
Partition Coefficient (n-octanal/water)	: Not applicable
Auto-ignition Temperature	: Not applicable
Decomposition Temperature	: No data available
Viscosity	: Not applicable
Percent Volatile by Volume	: None

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Product is stable.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid the accumulation of fine shavings from machining or cutting.

Incompatible Materials: None known.

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Hazardous Decomposition Products: Smoke and noxious gases (carbon monoxide and hydrocarbons).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: Not classified.

LD50/LC50 Values That Are Relevant for Classification: No data available.

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Not classified.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Dust may cause temporary irritation to upper respiratory tract.

Symptoms/Injuries After Skin Contact: Not irritating to skin. Mechanical injury only.

Symptoms/Injuries After Eye Contact: Eye contact is not considered a potential route of exposure. Solid or dust may cause irritation or corneal injury due to abrasion.

Symptoms/Injuries After Ingestion: No adverse effects anticipated other than obstruction if swallowed. Considered physiologically inert.

Chronic Symptoms: None expected under normal conditions of use.

Additional Information

The information presented here is to the best of our knowledge. The chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Avoid release to the environment. Do not allow product to reach ground water, water course, or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Material does not leech. Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

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SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Not regulated for transport.

In Accordance with IMDG

Not regulated for transport.

In Accordance with IATA

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Substance or Mixture

US Federal Regulations

This product does not appear on any US Federal list.

US State Regulations

This product does not appear on any US State lists.

SECTION 16: OTHER INFORMATION

Date of Issue: 4/28/2016

Revision Date: 2/17/2022

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document:

Eljen Technology (325) 235-4276

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.