



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont  
Material Safety Data Sheet

Page 1

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"ELVALOY" RESIN MODIFIERS ALL IN SYNONYM LIST LOY008  
LOY008 Revised 13-APR-2000  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Material Identification

"ELVALOY" is a registered trademark of DuPont.

Tradenames and Synonyms

"ELVALOY" HP771

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont Packaging & Industrial Polymers  
1007 Market Street  
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-(800)-441-7515  
Transport Emergency : 1-(800)-424-9300  
Medical Emergency : 1-(800)-441-3637

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
ETHYLENE ACRYLATE COPOLYMER		>99
NON-REGULATED ADDITIVES		<1
N-BUTYL ACRYLATE	141-32-2	<0.5

Components (Remarks)

Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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HAZARDS IDENTIFICATION  
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Potential Health Effects

ADDITIONAL HEALTH EFFECTS

ACUTE OR IMMEDIATE EFFECTS - ROUTES OF ENTRY AND SYMPTOMS

INGESTION There is no information on the ingestion toxicity of these resins. Ingestion is not a probable route of exposure. Toxicity is predicted to be low.

## (HAZARDS IDENTIFICATION - Continued)

SKIN Prolonged or repeated skin contact may cause skin irritation including redness, itching and in extreme cases blisters. Molten polymer contact the skin will cause thermal burns.

EYE Mechanical irritation only.

INHALATION At processing temperatures above 245 C (473 F), fumes irritating to the eyes, nose and throat may be produced. This exposure may result in redness, tearing and itching of the eyes and soreness in the nose and throat together with coughing.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None known.

## Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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FIRST AID MEASURES  
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## First Aid

## INHALATION

If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician.

## SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

## INGESTION

No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

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FIRE FIGHTING MEASURES  
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## Flammable Properties

Flash Point : 430 C (806 F) Setchkin  
Method : Apparatus

UNUSUAL FIRE, EXPLOSION HAZARDS The solid polymer can be combusted only with difficulty. An electrostatic charge can potentially build up when pouring pellets. Grounding of equipment is recommended.

## (FIRE FIGHTING MEASURES - Continued)

HAZARDOUS COMBUSTION PRODUCTS Complete combustion gives carbon dioxide and water. Incomplete combustion gives in addition carbon monoxide, organic acids, aldehydes and alcohols.

## Extinguishing Media

Water, Foam, Dry Chemical, CO2.

## Fire Fighting Instructions

Wear protective clothing and use self-contained breathing equipment to protect from exposure to the products of combustion.

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ACCIDENTAL RELEASE MEASURES  
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## Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

## Spill Clean Up

Sweep up to avoid slipping hazard.

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HANDLING AND STORAGE  
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## Handling (Personnel)

See FIRST AID and PERSONAL PROTECTIVE EQUIPMENT SECTIONS.

## Storage

Store in a cool, dry place. Keep container closed to prevent contamination.

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EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## Engineering Controls

VENTILATION Use local exhaust to completely remove vapors and fumes liberated during hot processing from the work area.

## Personal Protective Equipment

## EYE/FACE PROTECTION

Wear safety glasses. Wear coverall chemical splash goggles and/or face shield when the possibility exists for eye and face contact due to splashing or spraying of material. A full face mask respirator provides protection from eye irritation.

## (EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

## RESPIRATORS

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge with a dust/mist canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

## PROTECTIVE CLOTHING

If there is potential for contact with hot/molten material, wear heat resistant impervious clothing and footwear.

## # Exposure Guidelines

## Exposure Limits

"ELVALOY" RESIN MODIFIERS ALL IN SYNONYM LIST LOY008

PEL (OSHA) : Particulates (Not Otherwise Regulated)  
15 mg/m<sup>3</sup>, 8 Hr. TWA, total dust  
5 mg/m<sup>3</sup>, 8 Hr. TWA, respirable dust

## Other Applicable Exposure Limits

## N-BUTYL ACRYLATE

PEL (OSHA) : None Established  
TLV (ACGIH) : 2 ppm, 8 Hr. TWA, A4  
Sensitizer  
AEL \* (DuPont) : 2 ppm, 8 & 12 Hr. TWA, Skin

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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PHYSICAL AND CHEMICAL PROPERTIES  
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## Physical Data

% Volatiles : Negligible  
Solubility in Water : Negligible  
Odor : Mild acrylate-like  
Form : Pellets  
Color : Clear  
Specific Gravity : NA

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STABILITY AND REACTIVITY  
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## Chemical Stability

Stable at normal temperatures and storage conditions.

## Conditions to Avoid

Temperatures above 290 C (554 F) .

## Incompatibility with Other Materials

None reasonably foreseeable.

## Decomposition

Hazardous gases or vapors can be released, including carbon monoxide, and, hydrocarbon oxidation products including organic acids, aldehydes and alcohols.

Decomposition temperature: For the resin as shipped, greater than 245 degrees C as defined by TGA weight loss of less than 1 percent in air. Decomposition behavior may be affected through customer use of stabilizers or other ingredients.

## Polymerization

Polymerization will not occur.

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ECOLOGICAL INFORMATION  
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## Ecotoxicological Information

## AQUATIC TOXICITY:

No information is available. Toxicity is expected to be low based on insolubility in water.

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DISPOSAL CONSIDERATIONS  
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## Waste Disposal

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

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TRANSPORTATION INFORMATION  
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## Shipping Information

DOT  
Proper Shipping Name : Not regulated

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REGULATORY INFORMATION  
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## U.S. Federal Regulations

TSCA Inventory Status : In compliance with TSCA Inventory  
requirements for commercial purposes.

## State Regulations (U.S.)

## STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the  
states indicated below, are used in the manufacture of products on  
this Material Safety Data Sheet.

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT  
AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS  
SUBSTANCES): None known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE  
CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST  
PRESENT AT A CONCENTRATION OF 1 % OR MORE (0.1% FOR SUBSTANCES  
IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): None known.

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OTHER INFORMATION  
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## Additional Information

MEDICAL USE: CAUTION: Do not use in medical applications  
involving permanent implantation in the human body. For other  
medical applications see DuPont CAUTION Bulletin No. H-50102.

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The data in this Material Safety Data Sheet relates only to the  
specific material designated herein and does not relate to use in  
combination with any other material or in any process.

Responsibility for MSDS : T. P. PRICE  
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WILMINGTON, DE 19880-0713  
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(Continued)

# Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS