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"VAMAC" ETHYLENE/ACRYLIC ELASTOMERS ALL IN SYNONYM LIST VAM032  
VAM032 Revised 21-AUG-2002 Printed 21-AUG-2002  
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**CHEMICAL PRODUCT/COMPANY IDENTIFICATION**  
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**Material Identification**

"VAMAC" is a registered trademark of DuPont.

Corporate MSDS Number : DU007291

**# Tradenames and Synonyms**

"VAMAC" GR,  
"VAMAC" VMR6796, VMR7033,  
"VAMAC" VMX7461, VMX7461-3,  
"VAMAC" VMX7463-4, VMX7463-4LC, VMX7479-3,  
"VAMAC" VPE7039-1, VPE7039-2, VPE7039-3,  
"VAMAC" VPE7040, VPE7041

**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**

<u>Material</u>	<u>CAS Number</u>	<u>%</u>
ETHYLENE/METHYL ACRYLATE COPOLYMER		>99
METHYL ACRYLATE	96-33-3	<0.6

**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**  
-----**Potential Health Effects****ADDITIONAL HEALTH EFFECTS**

Refer to Bulletin H-73622-1 "Toxicity Information Related To The Handling And Processing of "VAMAC".

**ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYMPTOMS**

**INGESTION** Not a probable route of exposure. Low toxicity.

**SKIN** Prolonged contact may cause irritation. Off gases may cause dermatitis (reddening of the skin). Methyl acrylate has been infrequently associated with skin sensitization in humans.

**EYE** Not a probable route of exposure for the polymer. Polymer may cause mechanical irritation.

**INHALATION** Polymers not respirable. Methyl acrylate vapors, which can be released during enclosed storage or at processing temperatures, may irritate eyes, nose, throat, causing redness and itching.

**CHRONIC EFFECTS** None known. Rats exposed to inhalation of methyl acrylate for 2 years at levels of 14, 45 or 135 ppm resulted in irritation of nasal mucosa and atrophy of olfactory mucosa, and dose related corneal opacity and vascularization of eyes.

**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**  
-----**First Aid****INHALATION**

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

**SKIN CONTACT**

In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

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.

## (FIRST AID MEASURES - Continued)

## EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

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FIRE FIGHTING MEASURES  
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## Flammable Properties

Flash Point : Not Available

Fire and Explosion Hazards:

UNUSUAL FIRE, EXPLOSION HAZARDS Combustible but no unusual hazards.

HAZARDOUS COMBUSTION PRODUCTS Carbon monoxide and hydrocarbon oxidation products.

## Extinguishing Media

Water, carbon dioxide, Foam, Dry Chemical.

## Fire Fighting Instructions

Wear full protective equipment.

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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

Shovel or sweep up.

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HANDLING AND STORAGE  
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## Handling (Personnel)

See FIRST AID and PERSONAL PROTECTIVE EQUIPMENT SECTIONS.

## Storage

Storage of multiple pallets in unventilated area may cause methyl acrylate concentration to exceed specified limits. Cool, well ventilated storage recommended.

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**EXPOSURE CONTROLS/PERSONAL PROTECTION**  
-----**Engineering Controls**

Use sufficient ventilation to keep employee exposure below recommended limits.

**Personal Protective Equipment**

**EYE/FACE PROTECTION:** Wear coverall chemical splash goggles. Additionally, wear a face shield where the possibility exists for face contact due to splashing or spraying of material.

**RESPIRATOR:** Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.

**PROTECTIVE CLOTHING:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, jacket, hood and boots.

**Exposure Guidelines****Applicable Exposure Limits**

METHYL ACRYLATE  
PEL (OSHA) : 10 ppm, 35 mg/m<sup>3</sup>, 8 Hr. TWA, Skin  
TLV (ACGIH) : 2 ppm, 8 Hr. TWA, Skin, 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**  
-----**Physical Data**

Melting Point : Not Available  
% Volatiles : <1.3  
Solubility in Water : Insoluble  
Form : Bales.  
Specific Gravity : 1-1.1

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**STABILITY AND REACTIVITY**  
-----**Conditions to Avoid**

Temperatures above 282 C (540 F) . Long hold up times.

**Incompatibility with Other Materials**

None reasonably foreseeable.

## (STABILITY AND REACTIVITY - Continued)

**Decomposition**

HAZARDOUS DECOMPOSITION PRODUCTS Above 316 deg C oxidative polymer cleavage occurs generating low molecular weight alcohols, ketones, aldehydes and carboxylic acids.

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**ECOLOGICAL INFORMATION**  
-----**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**  
-----**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**  
-----**Shipping Information**

DOT  
Proper Shipping Name : Not regulated

**Shipping Information -- Canada**

This material is Not Regulated.

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**REGULATORY INFORMATION**  
-----**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

## (REGULATORY INFORMATION - Continued)

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.

**Canadian Regulations**

This is not a WHMIS Controlled Product.

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**OTHER INFORMATION**  
-----**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  
                                  DUPONT PACKAGING & INDUSTRIAL POLYMERS  
Address : CHESTNUT RUN PLAZA 713  
                                  WILMINGTON, DE 19880-0713  
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# Indicates updated section.

End of MSDS