

VAMAC® POL PVMAC ethylene acrylic elastomer scrap

Version 4.0

Issue Date : 11/28/2022
Revision Date : 01/26/2022

Ref. 130000036075

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : VAMAC® POL PVMAC ethylene acrylic elastomer scrap
Product Use : Polymer

Restrictions on use : For manufacturing and research use only

Manufacturer/Supplier : Celanese Sales U.S. Ltd.
222 West Las Colinas Boulevard Suite 900N
Irving, TX 75039

Telephone : +1 972-443-4000 E-mail address: HazCom@celanese.com
E-mail address : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : Domestic NA: 800-424-9300 International, CALL +1 703-527-3887 (collect calls a

SECTION 2. HAZARDS IDENTIFICATION**Product hazard category**

Skin sensitisation

Category 1

Label content

Pictogram :



Signal word : Warning

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Hazardous warnings : May cause an allergic skin reaction.

Hazardous prevention measures : Avoid breathing dust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Methyl acrylate	96-33-3	<2 %

Only components that require disclosure according to OSHA Hazard Communication Standard 2012 are listed.

SECTION 4. FIRST AID MEASURES

General advice : No applicable data available.
Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Get medical attention. Call a physician. If not breathing, give artificial respiration.

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Skin contact	: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Cool skin rapidly with cold water after contact with molten material. Do not attempt to remove material from the skin. Obtain medical treatment for thermal burn.
Eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	: Not a probable route of exposure. However, in case of accidental ingestion, call a physician.
Most important symptoms/effects, acute and delayed	: During processing fumes may evolve irritating the eyes, nose and throat. Exposure may result in reddening, tears and itching of the eyes and soreness in the nose and throat, together with coughing. Exposure to off gases may cause dermatitis (reddening of the skin). Irritation
Protection of first-aiders	: No applicable data available.
Notes to physician	: No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: Combustible . Large molten masses may ignite spontaneously in air. Water quenching is good practice. Hazardous combustion products may include: (see also section 10) Carbon monoxide, Carbon dioxide.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit.
Further information	: Evacuate personnel and keep upwind of fire. The solid polymer can only be burned with difficulty.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Safeguards (Personnel) : No applicable data available.
Environmental precautions : Do not discharge to streams, ponds, lakes or sewers.
Spill Cleanup : Shovel or sweep up.
Accidental Release Measures : No applicable data available.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel) : When opening containers, avoid breathing vapours that may be emanating. Open container only in well-ventilated area. Do not breathe vapours or fumes that may be evolved during processing. Before using, read the product bulletin.

Handling (Physical Aspects) : No applicable data available.
Dust explosion class : No applicable data available.
Storage : Keep containers tightly closed in a cool, well-ventilated place. Storage of multiple pallets in unventilated area may cause acrylate concentrations to exceed specified limits.

Storage period : No applicable data available.
Storage temperature : No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : When hot processing this material, use local and/or general exhaust ventilation to maintain the concentration of vapors and fumes below exposure limits. See Bulletin "Proper Use of Local Exhaust Ventilation During Processing of Plastics". Use sufficient ventilation to keep employee exposure below recommended limits. Local exhaust ventilation is preferred.

Personal protective equipment
Respiratory protection : A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respirator use. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

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Consult the OSHA respiratory protection information located at 29CFR 1910.134.

Hand protection : Material: Protective gloves

Eye protection : Wear safety glasses with side shields. Wear tightly fitting chemical splash goggles and face shield when possibility exists for eye and face contact due to spattering or splashing of molten material.

Skin and body protection : Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots. If there is a potential for contact with hot/molten material wear heat resistant clothing and footwear.

Exposure Guidelines
Exposure Limit Values

Methyl acrylate			
TLV	(ACGIH)	2 ppm	TWA
			Danger of cutaneous absorption
REL	(NIOSH)	10 ppm 35 mg/m3	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
PEL (Permissible Exposure Limit)	(OSHA)	10 ppm 35 mg/m3	8 hr. TWA Skin designation
PEL (Permissible Exposure Limit)	(OSHA)	10 ppm 35 mg/m3	TWA Skin notation
AEL *	(DuPont)	5 ppm	15 minute 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : solid
Form : solid
Color : clear, to, light yellow, translucent

Odor : No applicable data available.

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Odor threshold : 0.0048 - 20 ppm
Methyl acrylate

pH : No applicable data available.

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

Flash point : ca.212.5 °C (1,016 hPa)
closed cup
Method: Setaflash closed cup - SCC

Evaporation rate : No applicable data available.

Flammability (solid, gas) : No applicable data available.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Specific gravity (Relative density) : No applicable data available.

Water solubility : negligible

Solubility(ies) : No applicable data available.

Partition coefficient: n-octanol/water : No applicable data available.

Auto-ignition temperature : No applicable data available.

Decomposition temperature : >282 °C

Thermal decomposition of the resin accelerates above temperature listed.

Decomposition can occur below the recommended processing temperature limit.

Decomposition is a function of both processing temperature and time at that

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temperature.

Viscosity, kinematic : No applicable data available.

Viscosity, dynamic : No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable at normal ambient temperature and pressure.

Chemical stability : Stable at normal ambient temperature and pressure.

Possibility of hazardous reactions : Polymerization will not occur. Large molten masses may give off hazardous gases. Water quenching is good practice.

Conditions to avoid : Temperature > 282 °C (> 540 °F)
Decomposes on heating.
Decomposition is a function of both processing temperature and time at that temperature. Decomposition can occur below the recommended processing temperature limit. At temperatures above the "conditions to avoid" temperature, thermal decomposition of the resin accelerates.

Incompatible materials : Strong acids and, Oxidizing agents

Hazardous decomposition products : Hazardous decomposition products may include: Aldehydes, Ketones, Esters, Alcohols, Acrolein, Carbon monoxide, Organic acids, Acrylic acid, Methacrylic acid, Formaldehyde, Carbon dioxide (CO₂), acetaldehydes, Carboxylic acid

SECTION 11. TOXICOLOGICAL INFORMATION

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Further information : No data is available on the product itself.

Methyl acrylate

Inhalation 4 h LC₅₀ : 6.5 mg/l , Rat
Symptoms: Respiratory tract irritation

Dermal LD₅₀ : 1,250 mg/kg , RatOral LD₅₀ : 768 mg/kg , Rat

Skin irritation : Severe skin irritation, Rabbit

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Eye irritation	: Irritation to eyes, reversing after 7 to 21 days, Rabbit
Skin sensitization	: Probability or evidence of low to moderate skin sensitisation rate in humans, Mouse
Repeated dose toxicity	: Inhalation Rat - 90 d vapourMethod: OECD Test Guideline 413 No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
Carcinogenicity	: Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.
Mutagenicity	: Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.
Reproductive toxicity	: No toxicity to reproduction Animal testing showed no reproductive toxicity. No effects on or via lactation
Teratogenicity	: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

Material	IARC	NTP	OSHA
Methyl acrylate	2B		

SECTION 12. ECOLOGICAL INFORMATION**Aquatic Toxicity**

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Methyl acrylate

- 96 h LC50 : Cyprinodon variegatus (sheepshead minnow) 1.1 mg/l OECD Test Guideline 203
- 72 h EC50 : Pseudokirchneriella subcapitata (green algae) 3.55 mg/l OECD Test Guideline 201
- 72 h EC10 : Desmodesmus subspicatus (green algae) 10.5 mg/l Directive 67/548/EEC, Annex V, C.3.
- 48 h EC50 : Daphnia magna (Water flea) 2.6 mg/l OECD Test Guideline 202
- 21 d : NOEC Daphnia magna (Water flea) 0.136 mg/l OECD Test Guideline 211

Environmental Fate**Methyl acrylate**

- Bioaccumulation : Bioaccumulation is unlikely.
- Additional ecological information : There is no data available for this product. Toxicity is expected to be low based on insolubility in water.

SECTION 13. DISPOSAL CONSIDERATIONS

- Waste disposal methods - Product : Preferred options for disposal are recycling, incineration with energy recovery, and landfill. The high fuel value of this product makes incineration 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.
- Contaminated packaging : No applicable data available.

SECTION 14. TRANSPORT INFORMATION

- IATA_C UN number : 3335
- Proper shipping name : Aviation regulated solid, n.o.s. (Methyl acrylate)
- Class : 9
- Packing group : III
- Labelling No. : 9

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SECTION 15. REGULATORY INFORMATION

TSCA	: In compliance with TSCA-active Inventory requirements for commercial purposes.
SARA 311/312 Hazard classification	: Respiratory or skin sensitisation
SARA 313 Regulated Chemical(s)	: The following components are subject to reporting levels established by SARA Title III, Section 313: Methyl acrylate
PA Right to Know Regulated Chemical(s)	: Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Methyl acrylate, Ethylene, Distillates (petroleum), hydro- treated light, Methanol, Maleic acid
NJ Right to Know Regulated Chemical(s)	: 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): Methyl acrylate
California Prop. 65	: This product can expose you to substances including Distillates (petroleum), hydro- treated light, which is/are known to the State of California to cause cancer, and Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .

SECTION 16. OTHER INFORMATION

Restrictions for use :

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