

**1. PRODUCT AND COMPANY IDENTIFICATION****Company**

SK Global Chemical Americas (SKGCA)  
501 Office Center Drive, Suite 188  
Fort Washington, Pennsylvania 19034

**Functional Polyolefins**

**Customer Service Telephone Number:** (267) 896-3500  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)  
**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** EVATANE® 42-60  
**Synonyms:** Not available  
**Molecular formula:** Not applicable  
**Chemical family:** Ethylene and vinyl acetate copolymer  
**Product use:** Hotmelt adhesives and coatings, Coextrusion, Foam, Compounds

**2. HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** white  
**Physical state:** solid  
**Form:** pellets  
**Odor:** ester-like

**\*Classification of the substance or mixture:**

Carcinogenicity, Category 2, H351

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

**GHS-Labeling**

Hazard pictograms:



Signal word: **Warning**

**Hazard statements:**

H351 : Suspected of causing cancer.

**Supplemental Hazard Statements:**

Processing may release vapors and/or fumes which cause eye, skin and respiratory tract irritation.

**Precautionary statements:**

**Prevention:**

P201 : Obtain special instructions before use.

P202 : Do not handle until all safety precautions have been read and understood.

P281 : Use personal protective equipment as required.

**Response:**

P308 + P313 : IF exposed or concerned: Get medical advice/ attention.

**Storage:**

P405 : Store locked up.

**Disposal:**

P501 : Dispose of contents/ container to an approved waste disposal plant.

**Supplemental information:**

**Potential Health Effects:**

The product, in the form supplied, is not anticipated to produce significant adverse human health effects upon acute exposure. Contains high molecular weight polymer(s). Data for residual monomer: Suspected of causing cancer. (based on animal studies) Effects due to processing releases or residual monomer: Irritating to eyes, respiratory system and skin.

Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness, (severity of effects depends on extent of exposure).

**Other:**

Handle in accordance with good industrial hygiene and safety practice. (pellets/granules) This product may release fume and/or vapor of variable composition depending on processing time and temperature. Hazardous decomposition products may include confirmed or suspected carcinogens.

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Acetic acid ethenyl ester, polymer with ethene	24937-78-8	> 98 %	Not classified
Acetic acid ethenyl ester	108-05-4	1 %	H332, H335, H225, H351, H411

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4. FIRST AID MEASURES

##### 4.1. Description of necessary first-aid measures:

**Inhalation:**

If inhaled, remove to fresh air.

**Skin:**

In case of contact, immediately flush skin with plenty of water. If molten polymer gets on the skin, cool rapidly with cold water. Do not peel solidified product off the skin. Obtain medical treatment for thermal burns. Remove material from clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eyes:**

Immediately flush eye(s) with plenty of water. Obtain medical treatment for thermal burns.

**Ingestion:**

If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

##### 4.2. Most important symptoms/effects, acute and delayed:

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information) and Section 11 (Toxicology Information) of this SDS.

##### 4.3. Indication of immediate medical attention and special treatment needed, if necessary:

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

#### 5. FIREFIGHTING MEASURES

**Extinguishing media (suitable):**

Water spray, Carbon dioxide (CO<sub>2</sub>), Foam

**Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear

(full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fire fighting equipment should be thoroughly decontaminated after use.

**Fire and explosion hazards:**

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Acetic acid

Hazardous organic compounds

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Sweep up and shovel into suitable properly labeled containers for prompt disposal. Possible fall hazard – floor may become slippery from leakage/spillage of product. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

**7. HANDLING AND STORAGE****Handling****General information on handling:**

Do not taste or swallow.

Avoid breathing dust.

Avoid breathing processing fumes or vapors.

Avoid contact with skin, eyes and clothing.

Wash thoroughly after handling.

Keep container closed.

Use only with adequate ventilation.

Emptied container retains vapor and product residue.

Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

**Storage****General information on storage conditions:**

Keep in a dry, cool place. Store away from moisture and heat to maintain the technical properties of the product.

**Storage stability – Remarks:**

Stable under recommended storage conditions.

Materials recommended for packaging include:

Polyethylene

**Storage incompatibility – General:**

Store separate from:

Acids

Strong oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines:****Acetic acid ethenyl ester (108-05-4)**

US. ACGIH Threshold Limit Values

Time weighted average	10 ppm
Short Term Exposure Limit (STEL):	15 ppm

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

**Engineering controls:**

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

**Respiratory protection:**

Avoid breathing dust. Avoid breathing processing fumes or vapors. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components (full facepiece recommended). Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Skin protection:**

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Rinse immediately if skin is contaminated. Wash contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.

**Eye protection:**

Where eye contact may be likely, wear chemical goggles and have eye flushing equipment available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	white
<b>Physical state:</b>	solid
<b>Form:</b>	pellets
<b>Odor:</b>	ester-like
<b>Odor threshold:</b>	No data available
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature:</b>	No data available
<b>Lower flammable limit (LFL):</b>	No data available
<b>Upper flammable limit (UFL):</b>	No data available
<b>pH:</b>	Not applicable
<b>Density:</b>	0.96 g/cm <sup>3</sup>
<b>Vapor pressure:</b>	Not applicable
<b>Vapor density:</b>	Not applicable
<b>Boiling point/boiling range:</b>	No data available
<b>Melting point/range:</b>	145 °F (63 °C)
<b>Freezing point:</b>	No data available.
<b>Evaporation rate:</b>	No data available
<b>Solubility in water:</b>	estimated < 1 mg/l 68 °F (20 °C) insoluble (on the basis of its structure)
<b>Solubility in other solvents: [qualitative and quantitative]</b>	77 °F (25 °C) Soluble in: Carbon tetrachloride
<b>Viscosity, dynamic:</b>	No data available
<b>Oil/water partition coefficient:</b>	No data available
<b>Thermal decomposition</b>	approx. 500 °F (260 °C)
<b>Flammability:</b>	See GHS Classification in Section 2

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**10. STABILITY AND REACTIVITY****Stability:**

Stable under recommended storage conditions.

**Hazardous reactions:**

Hazardous polymerisation does not occur.

**Materials to avoid:**

Acids  
Strong oxidizing agents

**Conditions / hazards to avoid:**

Avoid storing in moist and warm conditions. Avoid direct sunlight. See Hazardous Decomposition Products below.

**Hazardous decomposition products:**

Thermal decomposition giving flammable, toxic and corrosive products:

Carbon oxides  
Acetic acid  
Hazardous organic compounds

**11. TOXICOLOGICAL INFORMATION**

Data on this material and/or its components are summarized below.

**Inhalation:**

4 h Acute toxicity estimate > 40 mg/l. (vapor)

**Data for Acetic acid ethenyl ester, polymer with ethene (24937-78-8)****Acute toxicity****Oral:**

May be harmful if swallowed. (rat) LD50 > 2,500 mg/kg.

**Other information**

The information presented is from representative materials with this Chemical Abstract Service (CAS) Registry number. The results vary depending on the size and composition of the test substance.

**Data for Acetic acid ethenyl ester (108-05-4)****Acute toxicity****Oral:**

May be harmful if swallowed. (rat and mouse) LD50 = 1,613 - 2,920 mg/kg.

**Dermal:**

Practically nontoxic. (rabbit) LD50 = 7,440 mg/kg.

**Inhalation:**

Harmful if inhaled. (rat and rabbit) 4 h LC50 = 15.8 mg/l.

**Specific target organ toxicity - single exposure:**

May cause drowsiness or dizziness.

**Skin Irritation:**

Causes mild skin irritation. (rabbit) (4 h)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

Not a sensitizer. LLNA: Local Lymph Node Assay. (mouse) No skin allergy was observed

**Repeated dose toxicity**

Repeated drinking water administration to rat, mouse / signs: reduced body weight

Chronic inhalation administration to rat, mouse / affected organ(s): lung, liver, respiratory tract / signs: changes in organ structure or function, irritation

**Carcinogenicity**

Long term inhalation administration to rat / affected organ(s): lung, upper respiratory tract / signs: Increased incidence of tumors was reported.

Long term drinking water administration to rat and mouse / affected organ(s): Gastro-intestinal tract / signs: Increased incidence of tumors was reported.

Classified by the International Agency for Research on Cancer as: Group 2B: Possibly carcinogenic to humans.

**Genotoxicity**

**Assessment in Vitro:**

Both positive and negative responses for genetic changes were observed in laboratory tests using: animal cells

No genetic changes were observed in laboratory tests using: bacteria

**Genotoxicity**

**Assessment in Vivo:**

Both positive and negative responses for genetic changes were observed in laboratory tests using: rats, mice

**Developmental toxicity**

Exposure during pregnancy. oral, inhalation (rat) / No birth defects were observed. (at doses that produce effects in mothers)

**Reproductive effects**

Two generation reproduction study. drinking water (rat) / No toxicity to reproduction. / (impaired pup growth and development)

**Human experience**

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**Inhalation:**

Upper respiratory tract: irritation. (based on reports of occupational exposure to workers) (extent of injury depends on severity of exposure)

Eyes: irritation. (based on reports of occupational exposure to workers) (extent of injury depends on severity of exposure)

**12. ECOLOGICAL INFORMATION****Chemical Fate and Pathway**

Data on this material and/or its components are summarized below.

**Data for Acetic acid ethenyl ester (108-05-4)****Biodegradation:**

Readily biodegradable. (14 d) Water 82 - 98 %

**Octanol Water Partition Coefficient:**

log Pow 0.73

**Ecotoxicology**

Data on this material and/or its components are summarized below.

**Data for Acetic acid ethenyl ester (108-05-4)****Aquatic toxicity data:**

Harmful. Pimephales promelas (fathead minnow) LC50 between 20 - 41 mg/l

Harmful. Lepomis macrochirus (Bluegill sunfish) LC50 = 13.3 mg/l

**Aquatic invertebrates:**

Harmful. Daphnia magna (Water flea) 48 h LC50 = 12.6 mg/l

**Algae:**

Harmful. Pseudokirchneriella subcapitata (green algae) 72 h ErC50 12.7 mg/l

**Microorganisms:**

Pseudomonas putida 16 h EC 3 = 6 mg/l

**Chronic toxicity to fish:**

Pimephales promelas (fathead minnow) 34 d NOEC = 0.55 mg/l

**Chronic toxicity to aquatic invertebrates:**

Daphnia magna (Water flea) 21 d NOEC 0.32 mg/l

**Chronic toxicity to aquatic plants:**

Pseudokirchneriella subcapitata (green algae) 72 h NOEC = 5.96 mg/l

**13. DISPOSAL CONSIDERATIONS****Waste disposal:**

Where possible recycling is preferred to disposal or incineration. If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Pigmented, filled and/or solvent laden product may require special disposal practices in accordance with federal, state and local regulations. Consult a regulatory specialist to

determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

**14. TRANSPORT INFORMATION**

**US Department of Transportation (DOT):** not regulated

**International Maritime Dangerous Goods Code (IMDG):** not regulated

**15. REGULATORY INFORMATION**

**Chemical Inventory Status**

EU. EINECS	EINECS	Conforms to
US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	Conforms to
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
Japan. Kashin-Hou Law List	ENCS (JP)	Conforms to
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	Conforms to
China. Inventory of Existing Chemical Substances	IECSC (CN)	Conforms to

**United States – Federal Regulations**

**SARA Title III – Section 302 Extremely Hazardous Chemicals:**

<u>Chemical name</u>	<u>CAS-No.</u>	<u>SARA Reportable Quantities</u>	<u>SARA Threshold Planning Quantity</u>
Acetic acid ethenyl ester	108-05-4	5000 lbs	1000 lbs

**SARA Title III - Section 311/312 Hazard Categories:**

Chronic Health Hazard

**SARA Title III – Section 313 Toxic Chemicals:**

<u>Chemical name</u>	<u>CAS-No.</u>	<u>De minimis concentration</u>	<u>Reportable threshold:</u>
Acetic acid ethenyl ester	108-05-4	0.1 %	10000 lbs (Otherwise used (non-manufacturing/processing)) 25000 lbs (Manufacturing and processing)

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):**

<u>Chemical name</u>	<u>CAS-No.</u>	<u>Reportable quantity</u>
Acetic acid ethenyl ester	108-05-4	5000 lbs

**United States – State Regulations****New Jersey Right to Know**

<u>Chemical name</u>	<u>CAS-No.</u>
Acetic acid ethenyl ester	108-05-4

**New Jersey Right to Know – Special Health Hazard Substance(s)**

<u>Chemical name</u>	<u>CAS-No.</u>
Acetic acid ethenyl ester	108-05-4

**Pennsylvania Right to Know**

<u>Chemical name</u>	<u>CAS-No.</u>
Acetic acid ethenyl ester	108-05-4
Acetic acid ethenyl ester, polymer with ethene	24937-78-8

**Pennsylvania Right to Know – Environmentally Hazardous Substance(s)**

<u>Chemical name</u>	<u>CAS-No.</u>
Acetic acid ethenyl ester	108-05-4

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

**16. OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

**Latest Revision(s):**

Revised Section(s):	Chapter 4 update
Reference number:	00000043435
Date of Revision:	05/06/2016
Date Printed:	07/23/2016

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