



Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

MATERIAL SAFETY DATA SHEET

MSDS

Savgan Heights ; 102 ,B Wing ; R.T.D. Lane ,Andheri (West) Mumbai - 400053 , INDIA

Section 1 - Chemical Product and Company Identification

Product Name : **VINYL ACETATE (MONOMER)**

Synonyms: Acetoxyethylene

CAS No.: 108-05-4

Molecular Weight: 86.09

Chemical Formula: C₄H₆O₂

Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Vinyl Acetate	108-05-4	90 - 100%	Yes

Section 3 - Hazardous Identification

Risk advice to man and the environment

Highly flammable.

Section 4 - First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

Section 5 - Fire Fighting Measures

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

Section 6 - Accidental Release Measures

Personal precautions

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Section 7 - Handling and Storage

Handling

Avoid inhalation of vapour or mist.

Flash back possible over considerable distance. Container explosion may occur under fire conditions. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection

Safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Appearance

Form liquid, clear

Colour colourless

Safety data

pH no data available

Melting point -93 °C

Boiling point 71 - 73 °C

Flash point -8 °C - closed cup

Ignition temperature 427 °C

Lower explosion limit 2,6 %(V)

Upper explosion limit 13,4 %(V)

Density 0,932 g/cm³

Water solubility no data available

Relative vapour

density

2,97

- (Air = 1.0)

Section 10 - Stability and Reactivity

Storage stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, flames and sparks.

Materials to avoid

acids, Bases, Oxidizing agents, Peroxides

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Hazardous reactions

Unstable upon depletion of inhibitor.

Section 11 - Toxicological Information

Acute toxicity

LD50 Oral - rat - 2.900 mg/kg

LC50 Inhalation - rat - 4 h - 11.400 mg/m³

Inhalation: Irritating to respiratory system.

LD50 Dermal - rabbit - 2.335 mg/kg

Irritation and corrosion

Eyes - Human - Irritating to eyes.

Sensitisation

no data available

Chronic exposure

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: Group 2B - Possibly carcinogenic to humans (Vinyl acetate)

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

Target Organs Central nervous system, Liver, Cardiovascular system.,

Additional Information

RTECS: AK0875000

Section 12 - Ecological Information

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

Section 13 - Disposal Considerations

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

ADR/RID

UN-Number: 1301 Class: 3 Packing group: II

Proper shipping name: VINYL ACETATE, STABILIZED

IMDG

UN-Number: 1301 Class: 3 Packing group: II EMS-No: F-E, S-D

Proper shipping name: VINYL ACETATE, STABILIZED

Marine pollutant: No

IATA

UN-Number: 1301 Class: 3 Packing group: II

Proper shipping name: Vinyl acetate, stabilized

Section 15 - Regulatory Information

Labelling according to EC Directives

EC Label

Hazard symbols

F Highly flammable

R-phrase(s)

R11 Highly flammable.

S-phrase(s)

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/fumes/vapour/spray.

S29 Do not empty into drains.

S33 Take precautionary measures against static discharges.

Section 16 - Additional Information

Not Regulated