SIGMA-ALDRICH

Material Safety Data Sheet

Revision Date 01/03/2009 Print Date 02/19/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name

: Poly(vinyl chloride)

Product Number

81392 Fluka

Brand

Company

: Sigma-Aldrich 3050 Spruce Street

SAINT LOUIS MO 63103

USA

Telephone

+1 800-325-5832

Fax Emergency Phone #

+1 800-325-5052 (314) 776-6555

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

: PVC

Formula

C2H3CI

CAS-No.	EC-No.	Index-No.	Concentration
Files - Marie	namanahmar 1		
Ethene, chloro-,	romopolymer		

3. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Irritant

HMIS Classification

Health Hazard: 2 Flammability: 0 Physical hazards: n

NFPA Rating

Health Hazard: 2 Fire: Ω Reactivity Hazard: 0

Potential Health Effects

Inhalation Skin

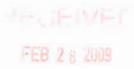
May be harmful if inhaled. Causes respiratory tract irritation. May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

May be harmful if swallowed. Ingestion

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4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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 eve contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point

no data available

Ignition temperature 454 °C (849 °F) -

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust, Ensure adequate ventilation,

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Hand protection

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

Hyglene measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

powder

Colour

white

Safety data

no data available

Melting point Boiling point

no data available

Flash point

no data available

Ignition temperature

no data available 454 °C (849 °F) -

Lower explosion limit no data available

Upper explosion limit no data available

Density

1.4 g/mL at 25 °C (77 °F)

Water solubility

no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

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Chronic exposure

Carcinogenicity - rat - Oral

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. Skin and Appendages: Other: Tumors.

Carcinogenicity - rat - Implant

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Tumorigenic:Tumors at site or application.

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC:

Group 3 - Not classifiable as to carcinogenicity to humans (Ethene, chloro-, homopolymer)

ACGIH: NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly

Potential Health Effects

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

Skin Eyes May be harmful if absorbed through skin. Causes skin irritation. Causes eve irritation.

Ingestion

May be harmful if swallowed.

Additional Information RTECS: KV0350000

12. ECOLOGICAL INFORMATION

Elimination Information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further Information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

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.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

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IMDG

Not dangerous goods

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Irritant

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

CAS-No. 9002-86-2 Revision Date

Ethene, chloro-, homopolymer

Revision Date

New Jersey Right To Know Components

CAS-No. 9002-86-2

Ethene, chloro-, homopolymer

California Prop. 65 Components

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

16. OTHER INFORMATION

Further information

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