

Diallyl Isophthalate 1087-21-4 MSDS

Section 1. IDENTIFICATION

Product name: Diallyl Isophthalate

Revision number: 5

Section 2. HAZARDS IDENTIFICATION

GHS classification

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS

Acute toxicity (Oral) Category 4

Category 2

Skin corrosion/irritation

Serious eye damage/eye irritation Category 2A

Not classified

ENVIRONMENTAL HAZARDS

GHS label elements, including precautionary statements

Pictograms or hazard symbols

Signal word Warning

Hazard statements Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

Precautionary statements:

Do not eat, drink or smoke when using this product.

[Prevention]

Wash hands thoroughly after handling.

Wear protective gloves/eye protection/face protection.

[Response] IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

[Disposal] Dispose of contents/container through a waste management company authorized by the local government.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Components: Diallyl Isophthalate

>98.0%(GC)(T)

Percent:

CAS Number: 1087-21-4

Diallyl Isophthalate

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Isophthalic Acid Diallyl Ester

Chemical Formula: C₁₄H₁₄O₄

Section 4. FIRST AID MEASURES

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Inhalation:

Get medical advice/attention if you feel unwell.

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

Skin contact:

soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Rinse cautiously with water for several minutes. Remove contact lenses, if present

Eye contact:

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

Section 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

Unsuitable extinguishing media: Solid streams of water

Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing

method according to the surrounding situation is used. Uninvolved persons should

evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

Special protective equipment for firefighters: When extinguishing fire, be sure to wear personal protective equipment.

equipment for firefighters:

Section 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Personal precautions, protective equipment and Ensure adequate ventilation. Entry to non-involved personnel should be controlled

emergency procedures: around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust).

containment and cleaning In case of large amount of spillage, contain a spill by bunding. Adhered or collected

up: material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent generation of vapour or mist. Wash hands and face thoroughly after handling.

Use a ventilation, local exhaust if vapour or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a refrigerator.

Store away from incompatible materials such as oxidizing agents.

Heat-sensitive

Packaging material: Comply with laws.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be

exposed directly. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Vapor respirator. Follow local and national regulations.

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Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Liquid

Clear

Form:

Colour: Colorless - Very pale yellow

Odour: No data available

pH: No data available
Melting point/freezing point:No data available
Boiling point/range: 163°C/1.1kPa
Flash point: 163°C
Flammability or explosive limits:
Lower: No data available
Upper: No data available
Relative density: 1.13
Solubility(ies):
[Water] No data available
[Other solvents] No data available
Autoignition temperature: 465°C

Section 10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.
Possibility of hazardous reactions: No special reactivity has been reported.
reactions:
Incompatible materials: Oxidizing agents
Hazardous decomposition products: Carbon monoxide, Carbon dioxide

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: orl-mam LD50:1700 mg/kg
ipr-mus LD:>62.5 mg/kg
Skin corrosion/irritation: No data available
Serious eye damage/irritation: No data available
Germ cell mutagenicity: No data available
Carcinogenicity:
IARC = No data available
NTP = No data available
Reproductive toxicity: No data available
RTECS Number: CZ4230000

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:
No data available
Fish:
Crustacea: No data available
No data available
Algae:
Persistence / degradability: No data available
No data available

Bioaccumulative

potential(BCF):

Mobility in soil

Log Pow: No data available

No data available

Soil adsorption (Koc):

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Section 12. ECOLOGICAL INFORMATION

Henry's Law No data available

constant(PaM3/mol):

Section 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical

incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when

disposing of the substance.

Section 14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations

Not listed

UN-No:

Section 15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002

and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport,

loading and unloading were prescribed.

SECTION 16 - ADDITIONAL INFORMATION

N/A
