

Safety data sheet

MEYCO MP 364 FLEX, COMP. A

Revision date : 2008/02/22

Version: 1.0

Page: 1/5

(259381/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

CAS Number
1344-09-8

Content (W/W)
>= 15.0 - <= 40.0 %

Chemical name
Silicic acid, sodium salt

3. Hazard identification

Emergency overview

WARNING: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Ingestion may cause irritation to mucous membranes.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

Keep container tightly closed.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

4. First-aid measures

If inhaled:

Remove victim to fresh air and away from exposure immediately. If necessary, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

If on skin:

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. If symptoms persist, seek medical advice.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

Safety data sheet

MEYCO MP 364 FLEX, COMP. A

Revision date : 2008/02/22

Version: 1.0

Page: 2/5

(259381/MDS_GEN_US/EN)

If swallowed:

Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

5. Fire-fighting measures

Flash point:

Not applicable

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Unsuitable extinguishing media for safety reasons:

water jet

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage. Vacuum up spilled product. Pick up with inert absorbent material (if possible). Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

General advice:

Ensure thorough ventilation of stores and work areas.

Storage

General advice:

Keep only in the original container. Keep container tightly closed and dry; store in a cool place.

Temperature tolerance

Protect from temperatures below: 10 °C

8. Exposure controls and personal protection

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

Safety data sheet

MEYCO MP 364 FLEX, COMP. A

Revision date : 2008/02/22

Version: 1.0

Page: 3/5
(259381/MDS_GEN_US/EN)

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	amine-like	
Colour:	colourless, clear	
pH value:	11 - 13	
Melting point:		No data available.
Boiling point:		No data available.
Vapour pressure:		No data available.
Density:	1.49 g/cm ³	
Viscosity, dynamic:	300 mPa.s	

10. Stability and reactivity

Conditions to avoid:

Avoid prolonged exposure to extreme heat. Avoid freezing.

Substances to avoid:

oxidizing agents, strong acids, strong alkalies

Hazardous reactions:

The product is chemically stable.

No hazardous reactions when stored and handled according to instructions.

Decomposition products:

No hazardous decomposition products known.

11. Toxicological information

Acute toxicity

Oral:

No data available.

Inhalation:

No data available.

Safety data sheet

MEYCO MP 364 FLEX, COMP. A

Revision date : 2008/02/22

Version: 1.0

Page: 4/5
(259381/MDS_GEN_US/EN)

Dermal:
No data available.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:
Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with national, state and local regulations.
Recommendations: Use excess product in an alternate beneficial application.

14. Transport information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:
TSCA, US released / listed

OSHA hazard category: No data available.

SARA hazard categories (EPCRA 311/312): Not hazardous

16. Other information

Safety data sheet

MEYCO MP 364 FLEX, COMP. A

Revision date : 2008/02/22

Version: 1.0

Page: 5/5

(259381/MDS_GEN_US/EN)

HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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END OF DATA SHEET

Safety data sheet

MEYCO MP 364 Flex Comp. B

Revision date : 2008/02/22
Version: 1.1

Page: 1/5
(256200/MDS_GEN_US/EN)

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BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
9016-87-9	>= 60.0 - <= 100.0 %	P-MDI
	>= 5.0 - <= 10.0 %	Proprietary aliphatic fatty acid ester
124-17-4	>= 5.0 - <= 10.0 %	2-(2-butoxyethoxy)ethyl acetate

3. Hazard identification

Emergency overview

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
This product contains isocyanates.
Prolonged or repeated skin contact may cause sensitization or allergic reactions.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Based on the properties of the isocyanate components and considering toxicological data on similar product, this product may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the occupational exposure limit. Repeated inhalation may lead to a permanent respiratory disability. Diisocyanates may cause an allergic respiratory reaction in some individuals, leading to asthma-like spasms of the bronchial tubes and difficulty breathing.

Irritation:

Irritating to eyes, respiratory system and skin.

Sensitization:

Safety data sheet

MEYCO MP 364 Flex Comp. B

Revision date : 2008/02/22

Version: 1.1

Page: 2/5

(256200/MDS_GEN_US/EN)

May cause sensitization by inhalation and skin contact.

4. First-aid measures

If inhaled:

Remove victim to fresh air and away from exposure immediately. If necessary, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

If on skin:

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. If symptoms persist, seek medical advice.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

5. Fire-fighting measures

Flash point: > 200 °C

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Hazards during fire-fighting:

nitrous gases, fumes/smoke, isocyanate, vapour

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage. Vacuum up spilled product. Pick up with inert absorbent material (if possible). Dispose of absorbed material in accordance with regulations.

Safety data sheet

MEYCO MP 364 Flex Comp. B

Revision date : 2008/02/22
Version: 1.1

Page: 3/5
(256200/MDS_GEN_US/EN)

7. Handling and storage

Handling

General advice:

Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas.

8. Exposure controls and personal protection

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary. Wear respiratory protection if ventilation is inadequate. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Precautions must be taken so that persons handling isocyanates do not breathe the vapors or have it contact the eyes or skin. Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL value. Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Odour:	characteristic	
Colour:	dark brown	
Vapour pressure:		No data available.
Density:	approx. 1.18 g/cm ³	(20 °C)
Viscosity, dynamic:	150 mPa.s	

10. Stability and reactivity

Conditions to avoid:

Avoid moisture. Avoid excessive temperatures.

Substances to avoid:

oxidizing agents, acids, bases, water

Safety data sheet

MEYCO MP 364 Flex Comp. B

Revision date : 2008/02/22

Version: 1.1

Page: 4/5

(256200/MDS_GEN_US/EN)

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Reacts with substances which contain active hydrogen. Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with ammonia. Reacts with water.

Decomposition products:

Hazardous decomposition products: carbon oxides, nitrogen oxides, aromatic isocyanates, gases/vapours

11. Toxicological information

Acute toxicity

Oral:

No data available.

Inhalation:

No data available.

Dermal:

No data available.

Sensitization:

Can sensitize the skin and/or respiratory tract of allergic persons.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Recommendations: Use excess product in an alternate beneficial application.

14. Transport information

Land transport

USDOT

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Safety data sheet

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Revision date : 2008/02/22

Version: 1.1

Page: 5/5

(256200/MDS_GEN_US/EN)

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US

released / listed

OSHA hazard category:

No data available.

SARA hazard categories (EPCRA 311/312): Not hazardous

SARA 313:

CAS Number

124-17-4

9016-87-9

Chemical name

2-(2-butoxyethoxy)ethyl acetate

P-MDI

State regulations

State RTK

CAS Number

9016-87-9

124-17-4

Chemical name

P-MDI

2-(2-butoxyethoxy)ethyl acetate

State RTK

NJ

NJ, PA

16. Other information

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