



BAEROPAN MC 90249 KA/4

Version 1.0

Revision Date 29.07.2015

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : **BAEROPAN MC 90249 KA/4**
Other means of Identification : **Solid Calcium Zinc Compound**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Manufacture of plastics products
Polymer additive
Stabilizer
Restrictions on Use : None known

1.3 Details of the supplier of the safety data sheet

Company : Baerlocher Production USA LLC
5890 Highland Ridge Drive
Cincinnati, OH 45232
Telephone : Day 330-602-1528, 330-602-1531 or -1530
: Night 513-207-1620 or 513-604-2327
E-mail address : Hotline.PS@baerlocher.com
Responsible/issuing person : Product Safety Department

1.4 Emergency telephone number (0 - 24 h)

Tel.: 800-424-9300 USA or 703-527-3887

2. Hazards identification

2.1 Classification of the substance or mixture

Skin sensitisation, Category 1 : H317: May cause an allergic skin reaction.
Combustible dust : May form combustible dust concentrations in air.

2.2 Label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : H317 : May cause an allergic skin reaction.
May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**
P261 : Avoid breathing dust/ fume/ gas/ mist/
vapours/ spray.



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P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

May produce an allergic reaction.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Preparation containing zinc salts.

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
Zinc compounds	Trade Secret*	< 10*
Dibenzoyl methane	120-46-7	< 10*

*Trade Secret – The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first aid measures

If inhaled : Move to fresh air.
In case of skin contact : Wash off with soap and plenty of water.
In case of eye contact : Rinse with plenty of water.
If swallowed : Clean mouth with water and drink afterwards plenty of water. Consult a doctor and show this safety datasheet.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.



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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
Sand

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Smoke and fumes, toxic.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.
Avoid dust formation.
Provide adequate ventilation.
Avoid contact with skin.
Use personal protective equipment (see Section 8).

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Take precautionary measures against static discharges.
Keep away from sources of ignition - No smoking.



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Avoid formation and buildup of dust.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.
Keep in a dry place.

German storage class : 11 Combustible Solids

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Substance	CAS No.	Regulatory Limits			Recommended Limits	
		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH TLV
		ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Zinc compounds Total dust Respirable fraction	Trade Secret*		15 5	10 mg/m ³	10 mg/m ³ 5 mg/m ³	10 mg/m ³
Calcium compound Total dust	Trade Secret*		15	10 mg/m ³	10 mg/m ³	10 mg/m ³
Particulates Not Otherwise Regulated (PNOR) Total dust Respirable fraction			15 5	10 mg/m ³ 5 mg/m ³		IHL: 10 mg/m ³ 3 mg/m ³



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8.2 Exposure controls

Engineering measures

Local exhaust

Personal protective equipment

- Respiratory protection : P1 filter respirator for inert particles.
Necessary, in case of dust formation.
- Hand protection : protective gloves acc. to EN 374, e.g. neoprene
- Eye protection : Safety glasses
- Skin and body protection : Long sleeved clothing
- Hygiene measures : When using do not eat or drink.
Do not smoke.
Wash hands before breaks and at the end of workday.
Shower or bathe at the end of working.
Keep working clothes separately.
- Protective measures : Static dissipative shoes are recommended for use in
environments that may not have sufficient ventilation and
engineering controls to prevent incidental releases of airborne
concentrations of the combustible dust to present an
explosion hazard from static electrical discharge from
personnel.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
-

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : powder
- Colour : off-white
- Odour : slight
- pH : No data available
- Melting point/range : > 100 °C
- Flash point : >> 100 °C
- Upper explosion limit : No data available
- Vapour pressure : No data available
- Density : No data available



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Water solubility	: practically insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Ignition temperature	: No data available
Boiling point/boiling range	: no data available
Lower explosion limit	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Odor Threshold	: no data available
Evaporation Rate	: no data available
Flammability	: no data available
Vapor Density	: no data available
Decomposition temperature	: no data available

9.2 Other information

No data available

10. Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperature and pressure.

10.2 Chemical stability

No decomposition if stored normally.

10.3 Possibility of hazardous reactions

Hazardous reactions : Risk of dust explosion.

10.4 Conditions to avoid

Conditions to avoid : Avoid dust formation.
Sources of ignition

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.



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11. Toxicological information

11.1 Information on toxicological effects

Components:

Dibenzoyl methane :

- Acute oral toxicity : LD50: > 2.000 mg/kg, Rat, OECD Test Guideline 423, GLP: yes, Based on available data, the classification criteria are not met.
- Acute inhalation toxicity : study scientifically unjustified
- Acute dermal toxicity : LD50: > 2.000 mg/kg, Rat, OECD Test Guideline 402, GLP: yes
- Skin corrosion/irritation : in vitro assay, Result: not irritating, OECD Test Guideline 439, GLP: yes, Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation : Rabbit, Result: not irritating, OECD Test Guideline 405, Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation : Skin sensitisation
 - : LLNA, Mouse, Result: Sensitising, OECD Test Guideline 429, GLP: yes
 - : Respiratory sensitisation
 - : Not classified due to lack of data.
- Germ cell mutagenicity
- Genotoxicity in vitro : Mutagenicity (Salmonella typhimurium - reverse mutation assay), Bacteria, Result: negative, OECD Test Guideline 471, GLP: yes
 - : In vitro gene mutation study in mammalian cells, mouse lymphoma cells, Result: positive, OECD Test Guideline 476, GLP: yes
 - : Mutagenicity (in vitro mammalian cytogenetic test), CHL, Result: positive, OECD Test Guideline 487, GLP: yes, Based on available data, the classification criteria are not met.
- Carcinogenicity : Not classified due to lack of data.
- Reproductive toxicity : Not classified due to lack of data.
- Teratogenicity : Not classified due to lack of data.
- STOT - single exposure : Remarks: Not classified due to lack of data.
- STOT - repeated exposure : Not classified due to lack of data.
- Aspiration toxicity : Not classified due to lack of data.



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Further information : CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.
: Likely route of exposure, Inhalation, Ingestion, Skin contact

11.2 Carcinogenicity

Contains no known or suspected carcinogens listed by IARC, NTP or OSHA at or above reportable quantities.

12. Ecological information

12.1 Toxicity

Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 6,8 %

Components:

Dibenzoyl methane :

Toxicity to fish : LC50: 11,313 mg/l, 96 h, QSAR

Toxicity to daphnia and other aquatic invertebrates : LC50: 7,519 mg/l, 48 h, QSAR

Toxicity to algae : 2,68 mg/l, 96 h, QSAR

Ecotoxicology Assessment

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

Components:

Dibenzoyl methane :

Biodegradability : aerobic, 89 %, Result: Readily biodegradable, Exposure time: 28 d, activated sludge, ISO 9439

12.3 Bioaccumulative potential

Components:

Dibenzoyl methane :

Bioaccumulation : study scientifically unjustified

12.4 Mobility in soil

Components:

Dibenzoyl methane :

Mobility : No data available



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12.5 Results of PBT and vPvB assessment

Components:

Dibenzoyl methane :

Assessment : Based on available data, the classification criteria are not met.

12.6 Other adverse effects

Dibenzoyl methane :

Further information : No information available.

13. Disposal considerations

13.1 Waste treatment methods

Product : Dispose of contents/container in accordance with local/regional/national/international/regulations.

14. Transport information

14.1 UN number

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

DOT

Not dangerous goods

IMDG

Not dangerous goods



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IATA

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

See this safety data sheet chapter 6. - 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : No transport according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

Section 313 Supplier Notification (USA)

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Component	CAS/313 Category Code	Wt (%)
Zinc compounds	N982	8.2



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National Legislation:

Registration Status:

EINECS : not reviewed
TSCA : listed
DSL : not reviewed
AICS : not reviewed
ENCS : Not listed
ECL : Not listed
PICCS : Not listed
CHINA : not reviewed

16. Other information

Date of Preparation or last change: 29.07.2015

HMIS Rating (USA)

Health : 1
Flammability : 1
Reactivity : 1
Personal Protection : E

HTS # : 3812.30.9000

Full text of H-Statements

H317 : May cause an allergic skin reaction.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.