

Safety Data Sheet

according to UK REACH Regulation

m-Chloroperoxybenzoic acid

Revision date: 17.08.2022

Product code: DP-102-V5a

Page 1 of 5

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

m-Chloroperoxybenzoic acid

Further trade names

3-Chlor-perbenzoesäure; m-Chloroperoxybenzoic acid

Synonyms:

3-Chloroperoxybenzoic acid; MCPBA

CAS No: 937-14-4

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Company name:	ABX advanced biochemical compounds Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläser-Straße 10-14	
Place:	01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Christoph Meyer	Telephone: +49 3528 4041 8732
e-mail:	meyer@abx.de	
Internet:	http://www.abx.de	

1.4. Emergency telephone number:

+49 3528 4041 60

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Org. Perox. D; H242

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Skin Sens. 1; H317

STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

m-Chloroperoxybenzoic acid

Signal word: Danger**Pictograms:****Hazard statements**

H242	Heating may cause a fire.
H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Safety Data Sheet

according to UK REACH Regulation

m-Chloroperoxybenzoic acid

Revision date: 17.08.2022

Product code: DP-102-V5a

Page 2 of 5

Precautionary statements

P412	Do not expose to temperatures exceeding 50 °C/122 °F.
P410	Protect from sunlight.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

3-Chlor-perbenzoesäure; m-Chloroperoxybenzoic acid

Sum formula: C7H5ClO3

Molecular weight: 172.57

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
937-14-4	m-Chloroperoxybenzoic acid			85 - < 90 %
	Org. Perox. D, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H242 H315 H319 H317 H335			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Call a physician in any case!

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO₂).**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

Safety Data Sheet

according to UK REACH Regulation

m-Chloroperoxybenzoic acid

Revision date: 17.08.2022

Product code: DP-102-V5a

Page 3 of 5

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container dry. Keep container tightly closed.

Further information on storage conditions

Storage

of °C: - 25

up to °C: - 15

Protect against: Light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

solid

Colour:

white

Changes in the physical state

Melting point/freezing point:

69 - 71 °C

SECTION 10: Stability and reactivity

10.5. Incompatible materials

Oxidizing agents, strong. Reducing agents, strong. Substance, organic. metal, non-precious.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx). hydrochloric gas.

Safety Data Sheet

according to UK REACH Regulation

m-Chloroperoxybenzoic acid

Revision date: 17.08.2022

Product code: DP-102-V5a

Page 4 of 5

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Further information**

Toxicological data are not available.

SECTION 12: Ecological information**12.5. Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

<u>14.1. UN number or ID number:</u>	UN 3106
<u>14.2. UN proper shipping name:</u>	ORGANIC PEROXIDE TYPE D, SOLID, (3-Chloroperoxybenzoesäure)
<u>14.3. Transport hazard class(es):</u>	5.2
<u>14.4. Packing group:</u>	-
Hazard label:	5.2
Classification code:	P1
Special Provisions:	122 274
Limited quantity:	500 g
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	UN 3106
<u>14.2. UN proper shipping name:</u>	ORGANIC PEROXIDE TYPE D, SOLID, (3-Chloroperoxybenzoesäure)
<u>14.3. Transport hazard class(es):</u>	5.2
<u>14.4. Packing group:</u>	-
Hazard label:	5.2
Classification code:	P1
Special Provisions:	122 274
Limited quantity:	500 g
Excepted quantity:	E0

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	UN 3106
<u>14.2. UN proper shipping name:</u>	ORGANIC PEROXIDE TYPE D, SOLID, (3-Chloroperoxybenzoic acid)
<u>14.3. Transport hazard class(es):</u>	5.2

Safety Data Sheet

according to UK REACH Regulation

m-Chloroperoxybenzoic acid

Revision date: 17.08.2022

Product code: DP-102-V5a

Page 5 of 5

14.4. Packing group:	-
Hazard label:	5.2
Special Provisions:	122, 274
Limited quantity:	500 g
Excepted quantity:	E0
EmS:	F-J, S-R

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 3106
14.2. UN proper shipping name:	ORGANIC PEROXIDE TYPE D, SOLID, (3-Chloroperoxybenzoic acid)
14.3. Transport hazard class(es):	5.2
14.4. Packing group:	-
Hazard label:	5.2
Special Provisions:	A20 A802
Limited quantity Passenger:	Forbidden
Passenger LQ:	Forbidden
Excepted quantity:	E0
IATA-packing instructions - Passenger:	570
IATA-max. quantity - Passenger:	5 kg
IATA-packing instructions - Cargo:	570
IATA-max. quantity - Cargo:	10 kg

Other applicable information (air transport)

label "Keep away from heat"

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H242	Heating may cause a fire.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.