

Пероксиды

Технические характеристики

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BARIUM PEROXIDE 86% EXTRAPURE

Oxidising agent in organic synthesis Barium Dioxide

Product Code.	00348	Grade	
Purity	86%	CAS No.	1304-29-6
Molecular Formula	BaO2	Molecular Weight	169.34
H.S.Code	2816.40000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder / Light tan powder	Odour	Odorless
Melting point/ Freezing point [°C]	450°C	Flash point [°C]	21 °C	Boiling point [°C]	800°C
Density [g/cm3]	4.96	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Off white powder / Light tan powder
Assay	Min 86%
Substance not precipitated by dilute sulphuric acid (as SO4)	Max 2.0%
Chloride (Cl)	Max 0.5%

Heavy metal (as Pb)	Max 0.01%
Iron (Fe)	Max 0.03%

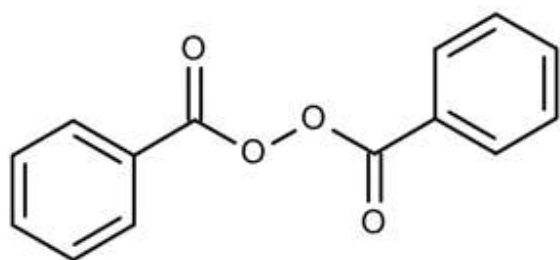
Safety Information and Hazard Symbols


Symbol: GHS03, GHS07 Signal Word: Danger UN No.: 1449 IMCO Class No.: 5.1,6.1 Packing Group: II Hazardous Statement: H272-H302-H332 Precaution Statement: P220

BENZOYL PEROXIDE 98% EXTRAPURE MOISTEN WITH 25% WATER

Dibenzoyl peroxide ; Moistened with 25% Water

Product Code.	00391	Grade	Extrapure
Purity	98%	CAS No.	94-36-0
Molecular Formula	C ₁₄ H ₁₀ O ₄	Molecular Weight	242.23
H.S.Code	2916.32000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Odour	Faint odor of benzaldehyde
Melting point/ Freezing point [°C]	103.0 - 104.0 °C	Auto-ignition temperature [°C]	80 °C	Flash point [°C]	40 °C
Density [g/cm ³]	1.334	Solubility in water [% weight]	Slightly soluble in water		

Packaging



Specification

Appearance	White granules
Assay (iodometric)	72.0 - 77.0%
Melting range (after drying)	102 - 105°C

Identity (IR)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS03, GHS07

Signal Word: Danger

UN No.: 3104

IMCO Class No.: 5.2

Packing Group: -

Hazardous Statement: H242-H317-H319

Precaution Statement: P220-P280-P305 + P351 + P338-P410-P420

HYDROGEN PEROXIDE (100 VOL.) SOLUTION (30% W/V H₂O₂)

30% w/v H₂O₂ (100 volumes) Dihydrogen dioxide; Hydrogen dioxide; Hydroperoxide

Product Code.	01396	Grade	
Purity	30%	CAS No.	7722-84-1
Molecular Formula	H ₂ O ₂	Molecular Weight	34.01
H.S.Code	2847.00000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Slight acrid odor
pH value	6 - 8 at 25 °C	Vapour pressure mm/Hg	25 mm Hg @ 300C	Vapour density	1.17
Density [g/cm ³]	1.11	Solubility in water [% weight]	Infinitely soluble		

Packaging

Specification

Appearance	Clear colorless liquid
Assay	Min 30.0% w/v
Weight/ mL at 20°C	About 1.10 g
Non volatile matter (including preservative)	Max 0.2%
Sulphate (SO ₄)	Max 0.05%

Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 2014 IMCO Class No.: 5.1,8 Packing Group: II Hazardous Statement: H302-H318 Precaution Statement: P280-P305 + P351 + P338

HYDROGEN PEROXIDE SOLUTION 30% AR (100 VOLUME)

100 volumes Dihydrogen dioxide; Hydrogen dioxide; Hydroperoxide

Product Code.	01397	Grade	
Purity	30%	CAS No.	7722-84-1
Molecular Formula	H2O2	Molecular Weight	34.01
H.S.Code	2847.00000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Slight acrid odor
pH value	6 - 8 at 25 °C	Vapour pressure mm/Hg	25 mm Hg @ 300C	Vapour density	1.17
Density [g/cm3]	1.11	Solubility in water [% weight]	Infinitely soluble		

Packaging

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Specification

Appearance	Clear colorles solution
Assay	Min 30% w/v
Acidity	Max 0.5 ml N%
Organic stabilizer	Max 0.05%
Non volatile matter	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Chloride (Cl)	Max 0.0005%
Nitrogen compounds (as N)	Max 0.002%
Phosphate (PO4)	Max 0.0005%
Sulphate (SO4)	Max 0.0003%
Arsenic (As)	Max 0.00005%
Copper (Cu)	Max 0.00001%

Iron (Fe)	Max 0.000025%
Lead (Pb)	Max 0.00005%

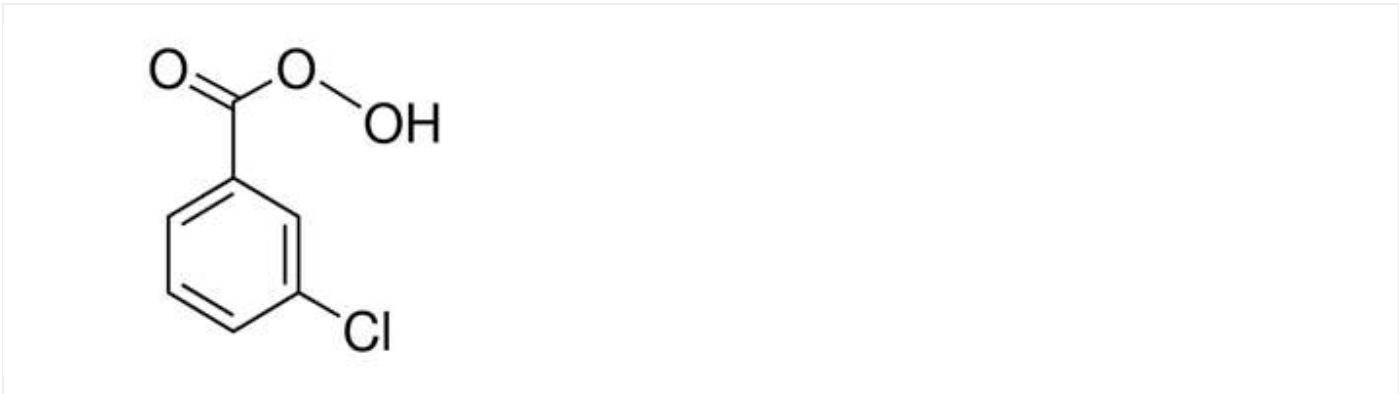
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 2014 IMCO Class No.: 5.1,8 Packing Group: II Hazardous Statement: H302-H318 Precaution Statement: P280-P305 + P351 + P338

M-CHLOROPERBENZOIC ACID 65-77% EXTRAPURE

Store at 2-8°C 3-Chloroperoxybenzoic acid, MCPBA ;(3-Chloroperbenzoic Acid

Product Code.	00778	Grade	
Purity	65-77%	CAS No.	937-14-4
Molecular Formula	C7H5ClO3	Molecular Weight	172.57
H.S.Code	2916.31600	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Melting point/ Freezing point [°C]	69-71
Solubility in water	Insoluble				

Packaging

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Specification

Appearance	White to off white crystalline moist powder, lumps or flakes
Assay (by Na2S2O3 titration)	65.0-77.0%
3-Chlorobenzoic Acid	8.0-12.0%
Water (by KF)	15.0-25.0%
Solubility (10% in alcohol)	Clear solution

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 3106

IMCO Class No.: 5.2

Packing Group: -

Hazardous Statement: H242-H315-H317-H319-H335

Precaution Statement: P220-P261-P280-P305 + P351 + P338-P410-P411 + P235

Risk Statement: 5-8-36/37/38-43

Safety Statement: 26-36/37

SODIUM PEROXIDE GRANULAR 95% AR

For Wurzschnitt decomposition. Sodium superoxide

Product Code.	02477	Grade	AR
Purity	95%	CAS No.	1313-60-6
Molecular Formula	Na2O2	Molecular Weight	77.98
H.S.Code	2815.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow	Odour	Odorless
pH value	12.8	Melting point/ Freezing point [°C]	460 °C	Boiling point [°C]	657 °C
Density [g/cm3]	2.81	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Pale yellow hygroscopic granules
Assay	Min 95%
Chloride (Cl)	Max 0.002%
Phosphate (PO4)	Max 0.0005%
Sulphate (SO4)	Max 0.001%
Total nitrogen (N)	Max 0.003%
Heavy metal (as Pb)	Max 0.002%

Aluminium (Al)	Max 0.001%
Iron (Fe)	Max 0.002%

Safety Information and Hazard Symbols


Symbol: GHS03, GHS05 Signal Word: Danger UN No.: 1504 IMCO Class No.: 5.1 Packing Group: I Hazardous Statement: H271-H314 Precaution Statement: P220-P280-P305 + P351 + P338-P310

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