



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product Trophäenbleiche

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

Recommended intended purpose(s)

Bleaching of cranial bone or parts of bones

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96
E-Mail info@ballistol.de
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Acute Tox. 4	H302	
Eye Dam. 1	H318	
Resp. Sens. 1	H334	
Skin Sens. 1	H317	

Hazard statements for health hazards

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Additional hints

To be kept away from children

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS05



GHS07



GHS08

Signal word

Danger

Hazard statements for health hazards

H302	Harmful if swallowed.
H315	Causes skin irritation.
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H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Precautionary Statements

General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.

Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/... .
P363	Wash contaminated clothing before reuse.

Storage

P405	Store locked up.
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Disposal

P501	Dispose of contents/container to recycling
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2.3. Other hazards

No information available.

! SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

! Hazardous ingredients



Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
15630-89-4	239-707-6	disodium carbonate, compound with hydrogen peroxide (2:3)	< 90	Ox. Sol. 2, H272 / Acute Tox. 4, H302 / Eye Dam. 1, H318
7775-27-1	231-892-1	Natriumperoxidsulfat	< 10	Ox. Sol. 3, H272 / Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Resp. Sens. 1, H334 / Skin Sens. 1, H317 / STOT SE 3, H335

REACH

CAS No	Name	REACH registration number
15630-89-4	disodium carbonate, compound with hydrogen peroxide (2:3)	01-2119457268-30
7775-27-1	Natriumperoxidsulfat	01-2119495975-15-0004

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
Seek medical treatment immediately.

In case of skin contact

Rinse with plenty of water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.
Call for a doctor immediately.

In case of ingestion

Do not induce vomiting.
Call for a doctor immediately.
Give plenty of water to drink in small sips.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Therapy like chemical burn.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam
Dry powder
Carbon dioxide
water mist

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon dioxide (CO₂)



5.3. Advice for firefighters

No information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid dust formation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Flush away residues with water.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep taking jar dry and clean.

General protective measures

Do not inhale dust.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Keep away from food and drink.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Protect aerosols from temperatures exceeding 50°C

Keep at a distance of combustible materials.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

Do not store with acids.

Do not store with alkalis.

Do not store with combustible materials.

Do not store together with reducing agents.

Further information on storage conditions

Do not keep long-term to heat.

Protect from direct solar radiation.

Recommended storage temperature: room temperature.

Storage group 5.1B



7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

Critical value for dust (TRGS 900) 10 mg/m³,

8.2. Exposure controls

Hand protection

Glove material butyl-caoutchouc, thickness 0,5 mm
chemical-resistant gloves

Eye protection

With demand: protective glasses

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

powder

Colour

white

Odour

odourless

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	ca. 10,6	25 °C	10 g/l		dissolved in water
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				



Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 10.07.2018 (GB) Version 2.0
Trophäenbleiche

	Value	Temperature	at	Method	Remark
Vapour pressure	not determined				
Relative density	not determined				
Bulk density	1,1 g/cm ³				
Vapour density	not determined				
Solubility in water	140 g/l	20 °C		1013 hPa	
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties

After testing in accordance with the legally permitted alternative test, the requirements for classifying H272 were not met. Therefore, HP-272 is eliminated.

Explosive properties

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Heating over 110°C

No hazardous reactions known.

Direct solar irradiation

10.5. Incompatible materials

Substances to avoid

Reactions with acids.

Reactions with reducing agents.

Reactions with alkalies.



10.6. Hazardous decomposition products

Oxygen

Additional information

Product is stable under normal storage conditions

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	1034 mg/kg	rat (female)		
LD50 acute dermal	> 2000 mg/kg	rabbit	OECD 402	
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitization	sensitizing			Refer to Sodium-peroxodisulfat.
Sensitization respiratory system	sensibilisierend			Refer to Sodium-peroxodisulfat.

Toxicity test (Additional information)

Toxikologische Prüfungen bezogen auf Natriumcarbonat-Peroxohydrat.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 70,7 mg/l (96 h)	Pimephales promelas		
Daphnia	EC50 4,9 mg/l (48 h)	Daphnia pulex		
Algae	EC50 8 mg/l (140 h)			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				The product can degrade with abiotic process
	Refer to Sodiumcarbonat-Peroxohydrat.			

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil



No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

16 09 04*

Name of waste

oxidising substances, not otherwise specified

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for packaging

Totally emptied packaging may be treated as household waste.

Recommended cleansing agent

Water

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

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

No information available.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Water hazard class 1

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Further information

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.9

- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.