# Peractive AC white



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US / EN

#### **SECTION 1. IDENTIFICATION**

Product name : Peractive AC white

## Details of the supplier of the safety data sheet

Company : Catexel GmbH

Industriepark Kalle-Albert Kasteler Straße 45 Wiesbaden 65203

Germany

Telephone : +49 (0)611 962 5658 E-mail address Responsi- : +49 69 4109 2710

ble/issuing person sdb@cassella-chemiepark.de

#### **Emergency telephone number**

Emergency telephone num: 24-7 Emergency Advice North America

per +1 8772717077

#### Recommended use of the chemical and restrictions on use

Recommended use : Bleaching agents

#### **SECTION 2. HAZARDS IDENTIFICATION**

# GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

#### **GHS** label elements

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

#### Other hazards

None known.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Substance name : Tetra acetyl ethylene diamine with sodium carboxy-methyl

cellulose

CAS-No. : Not Assigned

No hazardous ingredients

#### **SECTION 4. FIRST AID MEASURES**

General advice : Remove/ Take off immediately all contaminated clothing.

If inhaled : If inhaled, remove to fresh air.

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Get medical advice/ attention.

In case of skin contact : In case of contact, immediately flush skin with plenty of water.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes.

If swallowed : Get medical attention immediately.

Most important symptoms and effects, both acute and

delayed

None known. None known.

Notes to physician : Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray jet

Foam

Unsuitable extinguishing

media

Carbon dioxide (CO2)

Dry powder

Specific hazards during fire-

fighting

Risk of dust explosion.

Carbon monoxide Nitrogen oxides (NOx)

Special protective equipment:

for firefighters

Self-contained breathing apparatus

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec: :

tive equipment and emer-

gency procedures

Avoid dust formation.

Wear suitable protective clothing. For personal protection see section 8. For disposal considerations see section 13.

Wear appropriate protective equipment. Avoid breathing and generating dusts. Sweep or scoop material into containers for

reuse or disposal.

Environmental precautions : Prevent product from entering drains.

Do not contaminate water.

Methods and materials for

containment and cleaning up

Use mechanical handling equipment.

Flush with water.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Take precautionary measures against build-up of electrostatic charges, e.g. earthing during loading and off-loading opera-

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tions.

Keep away from sources of ignition - No smoking.

Advice on safe handling : Use only in well-ventilated areas.

Avoid dust formation.

Avoid dust accumulation in enclosed space.

Conditions for safe storage : Keep only in the original container.

Further information on stor-

age conditions

Store in a dry place.

Materials to avoid : Keep away from oxidizing agents.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Components with workplace control parameters

No data available

**Engineering measures** : Use adequate exhaust ventilation and/or dust collection to

keep dust levels below exposure limits.

## Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the max-

imum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-

contained breathing apparatus must be used.

Respirator with a half face mask

Effective dust mask

Particle-filtering half-mask according to DIN EN 149

Filter class FFP2

Hand protection

Remarks : Protective gloves complying with EN 374.

Minimum thickness (glove): not determined

Eye protection : Safety glasses

Protective measures : Do not breathe dust.

Avoid contact with skin and eyes.

Hygiene measures : Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it

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before reuse.

Do not eat, drink or smoke when using this product.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : granular

Colour : white

Odour : characteristic

pH : 6 - 8 (68 °F / 20 °C)

Concentration: 1 g/l

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : Not applicable

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : Not applicable

Density : No data available

Bulk density : ca. 420 kg/m3

Solubility(ies)

Water solubility : ca. 1 g/l soluble (68 °F / 20 °C)

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Ignition temperature : No data available

Decomposition temperature : No data available

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Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Flow time : Not applicable

Explosive properties : Not explosive

Method: Expert judgement

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Method: Expert judgement

Surface tension : Not applicable

Dust deflagration index (Kst) : 56 m.b\_/s

Dust explosion class : St1

Minimum ignition energy : > 1,000 mJ

Particle size : No data available

Particle Size Distribution :  $D50 = 864 \mu m$ 

Hot Surface Ignition Tempera: :

ture (HSIT)

698 °F / 370 °C

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : See section 10.3. "Possibility of hazardous reactions"

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

With oxidizing agents possible.

Conditions to avoid : None known.

Incompatible materials : Oxidizing agents

Hazardous decomposition

products

: Carbon monoxide Carbon dioxide (CO2)

Nitrogen oxides (NOx)

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

## Information on likely routes of exposure

no

#### **Acute toxicity**

**Product:** 

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

GLP: yes

Remarks: Information refers to the main component.

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l

Exposure time: 4 h

Method: OPPTS 870.1300

GLP: yes

Remarks: Information refers to the main component.

Acute dermal toxicity : LD50 (Rats (Male/Female)): > 2,000 mg/kg

Method: OPPTS 870.1200

GLP: yes

Remarks: Information refers to the main component.

#### Skin corrosion/irritation

**Product:** 

Species : Rabbit

Method : OPPTS 870.2500
Result : No skin irritation

GLP : yes

## Serious eye damage/eye irritation

**Product:** 

Species : rabbit eye Result : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

# Respiratory or skin sensitisation

**Product:** 

Test Type : Guinea pig maximization test

Species : Guinea pig Method : OPPTS 870.2600

Result : negative GLP : yes

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Germ cell mutagenicity

**Product:** 

Genotoxicity in vitro : Remarks: No data available

Germ cell mutagenicity -

Assessment

Not mutagenic in Ames Test

In vitro cytogenetic negative.

Carcinogenicity

**Product:** 

Remarks : No data available

IARC No component of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**No component of this product present at levels greater than or equal to 0.1% is

on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is

identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

**Product:** 

Reproductive toxicity - As-

: No toxicity to reproduction

sessment

STOT - single exposure

**Product:** 

Remarks : No data available

STOT - repeated exposure

**Product:** 

Remarks : No data available

Repeated dose toxicity

**Product:** 

Species : Rats (Male/Female), male and female

NOAEL : 90 mg/kg Application Route : oral (gavage)

Dose : 0, 90, 250, 800 mg/kg bw/d Method : OECD Test Guideline 408

GLP : yes

Species : Rats (Male/Female), male and female

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NOAEL : 200 mg/kg LOAEL : 2,000 mg/kg Application Route : Dermal

Dose : 0, 20, 200, 2000 mg/kg bw/d

GLP : yes

**Aspiration toxicity** 

**Product:** 

No data available

**Further information** 

**Product:** 

Remarks : Information refers to the main component.

#### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

**Product:** 

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 500 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

GLP: no

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h

Method: OPPTS 850.1010

GLP: yes

Remarks: static test

NOEC (Daphnia magna (Water flea)): 500 mg/l

Method: OECD Test Guideline 211

GLP: yes

Remarks: semi-static test

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): > 1,000

mg/l

End point: Growth rate Exposure time: 72 h Analytical monitoring: yes

Method: OECD Test Guideline 201

GLP: yes

Toxicity to microorganisms : EC50: > 1,000 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

GLP: no

Toxicity to soil dwelling or-

ganisms

NOEC (Eisenia fetida (earthworms)): 500 mg/kg

Exposure time: 56 d

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End point: Reproduction rate Method: OECD Test Guideline 222

GLP: yes

# Persistence and degradability

**Product:** 

Biodegradability : Biodegradation: > 98 %

Exposure time: 28 d

Method: OECD Test Guideline 301A

Remarks: Information refers to the main component.

Biodegradation: 90 - 100 %

Exposure time: 59 d

Method: OECD Test Guideline 311

Remarks: Information refers to the main component.

Biodegradation: > 90 % Exposure time: 9 d

Method: OECD Test Guideline 302B

Chemical Oxygen Demand

(COD)

1,260 mg/g

Dissolved organic carbon

(DOC)

435 mg/g

Physico-chemical removabil- :

ity

Remarks: No data available

## **Bioaccumulative potential**

**Product:** 

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water,

accumulation in organisms is not expected.

Mobility in soil

**Product:** 

Distribution among environ-

mental compartments

Remarks: No data available

Other adverse effects

**Product:** 

Environmental fate and

pathways

Remarks: No data available

Results of PBT and vPvB

assessment

This mixture contains no substance considered to be persis-

tent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bio-

accumulating (vPvB).

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Endocrine disrupting poten-

tial

There is no evidence of endocrine disrupting properties for the

environment.

Remarks: Based on available data, the classification criteria

are not met.

Additional ecological infor-

mation

Ecological data given refer to the main component.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Dispose of in accordance with the European Directives on

waste and hazardous waste.

In accordance with local and national regulations.

Must be incinerated in a suitable incineration plant holding a

permit delivered by the competent authorities.

Contaminated packaging : Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

## **SECTION 14. TRANSPORT INFORMATION**

# International Regulations

#### **UNRTDG**

Not regulated as a dangerous good

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

## **National Regulations**

#### **49 CFR**

Not regulated as a dangerous good

## Special precautions for user

Not applicable

#### Not applicable SECTION 15. REGULATORY INFORMATION

## SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)

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SARA 313 : This product does not contain any toxic chemical listed under

Section 313 of the Emergency Planning and Community

Right-To-Know Act of 1986.

# **US State Regulations**

#### **Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

## **Maine Chemicals of High Concern**

Product does not contain any listed chemicals

# **Vermont Chemicals of High Concern**

Product does not contain any listed chemicals

# **Washington Chemicals of High Concern**

Product does not contain any listed chemicals

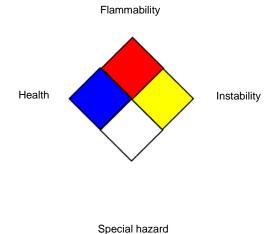
# California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **SECTION 16. OTHER INFORMATION**

## **Further information**

## NFPA 704:



#### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

# Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely

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Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule: ENCS - Existing and New Chemical Substances (Japan): ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Observe national and local legal requirements

Observe all necessary precautions for handling fine powders to control dust. May present dust explosion hazard. Reference exposure limit: ACGIH (TLV) for particulate matter - 10 mg/m3 inhalable particulates, 3 mg/m3 respirable particulates. OSHA Permissible Limit (PEL) for particulate matter: total dust: 15 mg/m3; respirable fraction: 5 mg/m3

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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.

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