SAFETY DATA SHEET

Peractive AC green

Version	Revision Date:	SDS Number:	Date of last issue: 04/28/2016
4.2	21.12.2020	000010005348	Print Date: 21.03.2024
US / EN			

SECTION 1. IDENTIFICATION

Product name : Peractive AC green

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 Responsible/issuing person : +49 69 4109 2710
sdb@cassella-chemiepark.de

Emergency telephone number

Emergency telephone number : 24-7 Emergency Advice North America
+1 8772717077

Recommended use of the chemical and restrictions on use

Recommended use : Bleaching agents

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

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

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.
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.
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	:	Carbon monoxide Nitrogen oxides (NOx) Risk of dust explosion.
Further information	:	Wear suitable protective equipment.
Special protective equipment for firefighters	:	Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation. Wear suitable protective clothing. Contain spill. Ensure adequate ventilation and wear appropriate personal protective equipment. Collect onto inert absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.
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 operations. 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 storage 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 maximum 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 before reuse. Do not eat, drink or smoke when using this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	granular
Colour	:	green
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	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Flow time	:	Not applicable

Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	No data available
Surface tension	:	cannot be determined
Dust explosion class	:	Capable of dust explosion
Minimum ignition energy	:	No data available
Particle size	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	See section 10.3. "Possibility of hazardous reactions"
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	With oxidizing agents possible.
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon monoxide Carbon dioxide (CO_2) Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

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

Germ cell mutagenicity

Product:

Genotoxicity in vitro	:	Remarks: No data available
Germ cell mutagenicity - Assessment	:	In vitro cytogenetic negative. Not mutagenic in Ames Test

Carcinogenicity

Product:

Remarks	:	No data available

Reproductive toxicity

Product:

Reproductive toxicity - Assessment	:	No toxicity to reproduction

STOT - single exposure

Product:

Remarks	:	No data available

STOT - repeated exposure

Product:

Remarks : No data available

Repeated dose toxicity

Product:

Species	:	Rat, 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	:	Rat, male and female
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 : 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 organisms : NOEC (Eisenia fetida (earthworms)): 500 mg/kg
Exposure time: 56 d
End point: Reproduction rate
Method: OECD Test Guideline 222
GLP: yes

Sediment toxicity : (Lumbriculus variegatus (Worm)): 359 mg/l
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.

Chemical Oxygen Demand (COD) : 1,260 mg/g

Dissolved organic carbon (DOC) : 435 mg/g

Physico-chemical removability : 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 environmental 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 persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information : 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.

Consult local, state, and federal regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

SECTION 15. REGULATORY INFORMATION

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

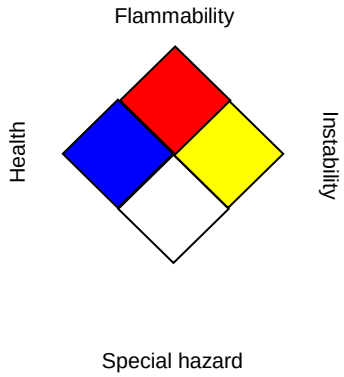
Components	CAS-No.	Component TPQ (lbs)

SARA 313 : This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

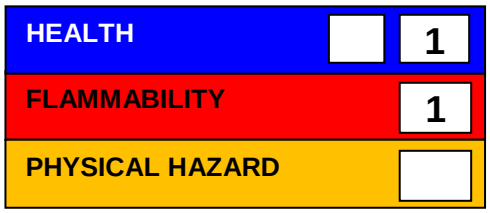
SECTION 16. OTHER INFORMATION

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

AICS - Australian Inventory of Chemical Substances; 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 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; 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

Revision Date : 21.12.2020

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.

US / EN