Peractive AC green

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Peractive AC green
Product code : 000010005348

Manufacturer or supplier's details

Company : WeylChem Lamotte S.A.S
Usine de Lamotte
Rue du Flottage
60350 Trosly-Breuil
France

Telephone : +33 (0)3 44 85 40 00
Prepared by : Product Stewardship Dpt.
geraldine.primazot@weylchem.com

Emergency telephone number : +1 215 207 0061 (24 H)

Recommended use of the chemical and restrictions on use

Recommended use : Bleaching agents

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	granular
Colour	green
Odour	characteristic
Hazard Summary	Risk of dust explosion.

GHS Classification

Not a hazardous substance or mixture.

GHS-Labelling - Label elements

Not a hazardous substance or mixture.

Potential Health Effects

Inhalation : May cause respiratory tract irritation.

Skin : Not expected to be irritating to skin.

Eyes : Not expected to be irritating to the eyes.

Ingestion : Not expected to be toxic.

Aggravated Medical Condition : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
N,N'-ethylenebis[N-acetylacetamide]	10543-57-4	50 - 95

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.

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 firefighting : In case of fires, hazardous combustion gases are formed:
Carbon monoxide
Nitrogen oxides (NOx)

Specific extinguishing methods :

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 : Avoid dust formation.
Wear suitable protective clothing.

emergency procedures

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

Handling

Advice on safe handling : Use only in well-ventilated areas.
Avoid dust formation.
Avoid dust accumulation in enclosed space.

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.

Dust explosion class : Capable of dust explosion

Storage

Requirements for storage areas and containers : Keep only in the original container.

Further information on storage conditions : Store in a dry place.

Advice on common storage : Keep away from oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Ingredients with occupational exposure limits to be monitored.

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, Concentration: 1 g/l (20 °C)
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
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 (20 °C)
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	Not applicable
Ignition temperature	:	Not applicable
Thermal decomposition	:	No data available

Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Flow time	:	Not applicable
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Surface tension	:	cannot be determined

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 (CO2) 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
Result: No skin irritation
Method: OPPTS 870.2500
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 Method: Guinea pig maximization test
Species: Guinea pig
Result: negative
Method: OPPTS 870.2600
GLP: yes

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

Carcinogenicity - Assessment :

No information available.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment	:	No toxicity to reproduction
		No toxicity to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Repeated dose toxicity

Product:

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

Rats (male/female), 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 (Scenedesmus subspicatus)): > 1,000 mg/l End point: Growth rate Exposure time: 72 h Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
Toxicity to bacteria	:	EC50 : > 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 GLP: no
Toxicity to soil dwelling organisms	:	NOEC: 500 mg/kg Exposure time: 56 d End point: Reproduction rate Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 222 GLP: yes
Plant toxicity	:	359 mg/kg dry weight (d.w.)Species: Lumbriculus variegatus (Worm) Method: OECD 225 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.
Partition coefficient: n-octanol/water	:	Remarks: Not applicable

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 Regulation

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

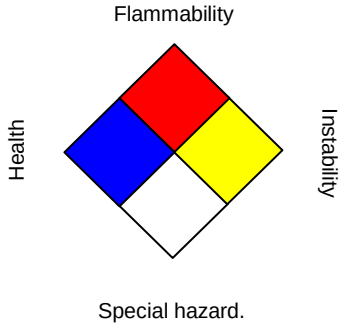
SECTION 15. REGULATORY INFORMATION

SARA 302	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	:	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
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:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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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