



Material Safety Data Sheet

According to 91/155 EC

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name:

CircoFlush PE 5

Manufacturer/Supplier:

Westfalia Landtechnik GmbH
Werk Herdecke
Mühlenstraße 17 - 20
D-58313 Herdecke
Telefon: (0 23 30) 64 0

Information in case of emergency:

Call your medical practitioner LONDON
(Information available at the National Poison Unit - Guy's Hospital)

2 Composition/information on ingredients

Chemical characterization

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

64-19-7	acetic acid	C; 10-35	5-15%
79-21-0	peracetic acid	C, O, N; 7-10-20/21/22-35-50 < 15%	< 15%
7722-84-1	hydrogen peroxide solution 35 %	C, O; 8-34	3-5%

3 Hazards identification

Hazard description:



C Corrosive
O Oxidizing

Information concerning particular hazards for human and environment:

R 7 May cause fire.
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R 35 Causes severe burns.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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4 First-aid measures

General information:	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Call for a doctor immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire-fighting measures

Suitable extinguishing agents:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment:	Mount respiratory protective device.

6 Accidental release measures

Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection:	Prevent seepage into sewage system, workpits and cellars. Do not allow to enter sewers/ surface or ground water. Dilute with plenty of water.
Measures for cleaning/collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7 Handling and storage

Handling:	
Information for safe handling:	Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

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Information about fire - and explosion protection:

Prevent formation of aerosols.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Emergency cooling must be available in case of nearby fire.

Storage:

Requirements to be met by storerooms and receptacles:

Provide acid-resistant floor.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Class according to regulation on flammable liquids:

Void

8 Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

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Eye protection:



Tightly sealed goggles

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9 Physical and chemical properties

Form:	Fluid
Colour:	Colourless
Odour:	Pungent
Change in condition	
Melting point/Melting range:	-50°C
Boiling point/Boiling range:	100°C
Flash point:	> 96°C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Vapour pressure at 20°C:	25 mbar
Density at 20°C:	1.12 g/cm ³
Solubility in / Miscibility with water:	Fully miscible.
pH-value (10 g/l) at 20°C:	3
Solvent content:	
Organic solvents:	0 %
Water:	> 50 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions

Reacts with impurities.

Acts as an oxidizing agent on organic materials such as wood, paper and fats.

Dangerous decomposition products:

Oxygen

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11 Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin:

Strong caustic effect on skin and mucous membranes.

on the eye:

Strong caustic effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Harmful.
 Corrosive.
 Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Must not reach sewage water or drainage ditch undiluted or unneutralized.
 Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

Product:

Recommendation

Must not be disposed together with household garbage.
 Do not allow product to reach sewage system.

European waste catalogue	
07 00 00	Wastes from organic chemical processes
07 01 00	waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

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14 Transport information

Land transport ADR/RID (cross-border)	
ADR/RID class:	5.2 Organic peroxides.
Item:	9b
Danger code (Kemler):	0
UN-Number:	3109
Description of goods:	3109 Organic peroxide type F, liquid
Maritime transport IMDG:	
Marine pollutant:	No

15 Regulatory information

Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:
 C Corrosive
 O Oxidizing

Hazard-determining components of labelling: peracetic acid

Risk phrases:
 7 May cause fire.
 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 35 Causes severe burns.

Safety phrases:
 3/7 Keep container tightly closed in a cool place.
 14 Keep away from reducing agents, heavy metal compounds, acids and alkalis.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulations:

Classification according to VbF: Void

Technical instructions (air):

Class	Share in %
water	66,7
I	33,3

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Waterhazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS:

Dairy Supplies / 1020

GB