

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	EVERFRESH
Manufacturer/distributor	ANDENEX-CHEMIE Engelhard + Partner GmbH Albert-Einstein-Ring 11, Phone ++49(0)40- 89 96 79 -01 E-Mail info@andenex.de
Advice	Phone ++49(0)40- 89 96 79 -01 Fax ++49(0)40-89 96 79-12 E-mail (competent person) info@andenex.de
Emergency advice	Giftinformationszentrale Göttingen GIZ-Nord Phone (0551) 19 240
Recommended intended purpose(s) for industrial application	

2. HAZARDS IDENTIFICATION

Information pertaining to special dangers for human and environment
Non hazardous preparation according to Directive 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Mixture of 4-Hexylresorcin and sodium chloride.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
136-77-6	205-257-4	4-hexylresorcinol	2 - 3	Xn R22; Xi R36/38

4. FIRST AID MEASURES

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
In case of illness, seek medical advice.

In case of skin contact

In case of irritation consult a doctor.
In case of contact with skin wash off with water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water (at least 15 minutes) and seek medical advice.

In case of ingestion

Do not induce vomiting.
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse out mouth thoroughly with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.
In the event of fire the following can be released:
Hydrogen chloride (HCl)

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Cool endangered containers with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep people away and stay on the upwind side.
Avoid dust formation.

Environmental precautions

Do not let in concentrated form into the drains/surface water/ground water.

Methods for cleaning up

Avoid dust formation.
Take up mechanically and send for disposal.

7. HANDLING AND STORAGE

Advice on safe handling

Provide for appropriate ventilation/aspiration at the work station.

Advice on protection against fire and explosion

Avoid formation of dust.

Requirements for storage rooms and vessels

No special measures required.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.
Protect from direct solar radiation.
Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

For good space ventilation provide, if necessary exhaust on the job.

Respiratory protection

Use fine dust mask with P2 filter in case of dust development.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nature latex 0,6 mm; 480min.;60min.;for example "Lapren 706" from the company KCL, email: Vertrieb@kcl.de
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile 0,4mm, 60 min, 480 min.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

The selection of a suitable glove depends and from manufacturer to manufacturer different not only on the material, but also on further quality criteria.

The exact break-through time of the glove material is to be experienced and kept with the protection glove creator.

Eye protection

Safety goggles recommended, and avoid contact with eyes and skin.

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin

Do not inhale dust.

Hygiene measures

At work do not eat, drink and smoke.

Wash skin thoroughly and immediately after handling the product.

Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

crystalline powder

Colour

whitish

Odour

slightly pungent

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 7 - 8	20 °C			saturated solution
Flash point	not applicable				
Density	not determined				
Solubility in water	soluble				

10. STABILITY AND REACTIVITY

Conditions to avoid

strong heating (decomposition)

Materials to avoid

No data available.

Hazardous decomposition products

With regard to possible decomposition products refer to Section 5.

Thermal decomposition

Remark No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	550 mg/kg	rat		4-hexylresorcinol
Irritability skin	low irritant effect - not necessary to label			
Irritability eye	low irritant - no labeling duty			

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.

Additional information

Other hazardous properties may not be excluded.

The product is to be handled with the caution usual with chemicals.

12. ECOLOGICAL INFORMATION

General regulation

Undiluted and/or in larger quantities into the groundwater, in waters or into drains to arrive do not leave.

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

13. DISPOSAL CONSIDERATIONS

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Packaging that cannot be cleaned should be disposed of like the product.

Disposal in accordance with local regulations.

Recommended cleansing agent

Water

General information

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

No hazardous material as defined by the transport regulations.

Marine transport IMDG

No hazardous material as defined by the transport regulations

Air transport ICAO/IATA-DGR

No hazardous material as defined by the transport regulations

15. REGULATORY INFORMATION

Remarks for labelling

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.
Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

S-phrases

22 Do not breathe dust.
36/39 Wear suitable protective clothing and eye/face protection.

16. OTHER INFORMATION

Recommendend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 22 Harmful if swallowed.
R 36/38 Irritating to eyes and skin.