

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

· Product details

PERGACROSS TAIC-70 GS

- Trade name:
- Application of the substance / the preparation

For industrial use

· Manufacturer/Supplier:

PERGAN GmbH
Hilfsstoffe für industrielle Prozesse
Schlavenhorst 71
D-46395 Bocholt
Tel: +49 2871 9902-0
Fax: +49 2871 9902-50

· Further information obtainable from:

Environment protection / Security of labour
Competent person:
* Kathrin Bohland (Sales) e-mail: k.bohland@pergan.com
* Christoph Wiltling (Environment protection / Security of labour) e-mail: c.wiltling@pergan.com

· Information in case of emergency:

- Tel: +49 2871 9902-0

2 Hazards identification

· Hazard description:



Xn Harmful

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 22 Harmful if swallowed.

· Classification system:

R 48 Danger of serious damage to health by prolonged exposure.
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

*** 3 Composition/information on ingredients**

· Chemical characterization

· Dangerous components:

CAS: 1025-15-6 EINECS: 213-834-7 Reg.nr.: 05-2116407509-44-0000	1,3,5-triallyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (Triallylisocyanurate)	Xn; R 22-48	70-80%
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· Additional information:

For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Take care of personal protection for the first aider.

· After skin contact:

Take affected persons into fresh air and keep quiet.

· After eye contact:

Immediately remove contaminated clothing.

· After swallowing:

Rinse opened eye for several minutes under running water.

Call for a doctor immediately.

5 Fire-fighting measures

· Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards caused by the substance, its products of combustion or resulting gases:

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· Protective equipment:

Do not inhale explosion gases or combustion gases.

· Additional information

Self-protection first!

6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

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· **Measures for environmental protection:**



Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Pick up mechanically, collect in a suitable receptacle and dispose in accordance with government regulations.

· **Additional information:**

In case of large spillage the environmental authority should be informed.

7 Handling and storage

· **Handling:**

Pay attention to the special requirements of your local authorities for handling with dangerous goods.

· **Information for safe handling:**

Prevent formation of dust.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Before break and at the end of work hands should be thoroughly washed.
Avoid contact with skin and eyes.
While using do not eat, drink or smoke.



Do not smoke.

· **Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

· **Storage:**

Pay attention to the special requirements of your local authorities for storing dangerous goods.

· **Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.
Use only receptacles specifically permitted for this substance/product.

· **Information about storage in one common storage facility:**

Store away from foodstuffs, drinks and feeding stuffs.

· **Further information about storage conditions:**

· **Recommended storage temperature (To maintain quality):**

max.: +20°C

· **Storage class:**

11 "Combustible solids" (VCI Guideline)

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:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.
Use skin protection cream for skin protection.
Be sure to clean skin thoroughly after work and before breaks.

· **Respiratory protection:**

Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.



Filter P2

· **Protection of hands:**

Only use chemical-protective gloves with CE-labelling of category III.



Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves


· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Butyl rubber, BR
Fluorocarbon rubber (Viton)

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- **Penetration time of glove material**
Nitrile rubber, NBR
Neoprene
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
 Tightly sealed goggles
- **Body protection:**
Protective work clothing

9 Physical and chemical properties

· General Information	
· Form:	Solid Granulate
· Colour:	white - yellowish
· Odour:	Characteristic
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with	
· water:	Insoluble.
· Segregation coefficient (n-octanol/water): not determined	

10 Stability and reactivity

- **Dangerous reactions**
No dangerous reactions known.
- **Dangerous decomposition products:**
No hazardous decomposition products if used and stored according to specifications.
- **Additional information:**
Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

1025-15-6 1,3,5-triallyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (Triallylisocyanorate)

Oral LD50 700 mg/kg (rattus)

Dermal LD50 2480 mg/kg (rattus)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant 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


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.
Danger to drinking water if even small quantities leak into the ground.

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13 Disposal considerations

- **Product:**
- **Recommendation**  Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key:** Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.
- **Uncleaned packaging:**
- **Recommendation:** This material and its container must be disposed of as hazardous waste.

14 Transport information

- **Transport/Additional information:** No dangerous good according the regulation of transport.

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:**  Xn Harmful
- **Hazard-determining components of labelling:** 1,3,5-triallyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (Triallylisocyanorate)
- **Risk phrases:** 22 Harmful if swallowed.
48 Danger of serious damage to health by prolonged exposure.
- **Safety phrases:** 3/7 Keep container tightly closed in a cool place.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Please note:** Take care of the respective local regulations.

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.
- **Relevant R-phrases** 22 Harmful if swallowed.
48 Danger of serious damage to health by prolonged exposure.
 - **Department issuing MSDS:** Environment protection / Security of labour
 - **Contact:** Tel: +49 2871 9902-0
E-mail: mail@pergan.com
 - *** Data compared to the previous version altered.**