



# MATERIAL SAFETY DATA SHEET

## OF PILAM HS E-1420

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Valid from:  
01.09.2021

### 1. PRODUCT IDENTIFICATION, MANUFACTURER:

Trade name: Pilam HS E-1420

Producer: Zakłady Przemysłu Ziemniaczanego w Pile "ZETPEZET" Sp. z o. o.  
Młodych 30 Street  
64-920 Piła, Poland  
Tel/fax: (067) 212-27-48

### 2. COMPOSITION, INFORMATION ABOUT INGREDIENTS:

Pilam HS is an acetylated starch produced by the esterification of starch with acetic anhydride. The product is intended for food purposes.  
Hazardous components: does not contain

### 3. IDENTIFICATION OF HAZARDS

Based on available data and product literature Pilam HS is not classified as hazardous. This information is consistent with current standards and legislation. No health hazard occurs when the product is used according to specifications and application.

### 4. FIRST AID

General tips: does not require special protective measures  
Skin contact: wash with water  
Eyes contact: flush eyes with plenty of water  
Inhalation: avoid excessive dust  
Intake: rinse mouth with water

### 5. PROCEEDING IN CASE OF FIRE

Fire prevention: explosive dusts  
Suitable extinguishing media: water, fire-extinguishing powder, fire foam  
Special hazards: explosive dusts

### 6. PROCEEDING IN CASE OF UNINTENDED RELEASE INTO THE ENVIRONMENT:

Pilam HS is not a harmful substance to the environment.

### 7. PRODUCT TREATMENT AND STORAGE

Product treatment: Does not require special protective measures.  
Proceeding according with general rules, Health and Safety Practice plus avoid excessive dust.

Storage: Product should be kept in clean, dry and airy store.

Packaging: Three layer paper valve bags with folic filler.

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

The product does not contain any substances which concentration should be monitored in the workplace. During the handling of the product, standard protective clothing should be used and a dust mask in case of dust formation.



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### 9. PHYSICO – CHEMICAL MEASUREMENTS

Appearance:	loose powder
Colour:	white; in CIE, L system: not less than 91
Odour:	typical for potato starch, with a slightly perceptible smell of acetic odour
Moisture:	not more than 20 %
pH Value of water solution:	4,0 – 6,5
Contents acetyl group:	1,2-1,5%
Solubility in water:	insoluble in cold water
Bulk density:	760 g/dm <sup>3</sup>

### 10. STABILITY AND REACTIVITY

Stability:	stable under normal conditions
Conditions to be avoided:	humidity
Materials to be avoided:	absence

### 11. TOXICOLOGICAL INFORMATION

Toxicity:	Pilam HS is not a dangerous chemical and is not classified as a hazardous substance. Used as a food additive and thickener and is determined as E-1420 symbol
Eye contact:	neutral
Skin contact:	neutral
Consumption:	lack of data, used in the food industry
Poisoning by inhalation:	neutral, in case of excessive dust may irritate the respiratory system

### 12. ECOLOGICAL INFORMATION

Mobility:	insoluble in cold water, migrates through the air as dust
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### 13. WASTE MANAGEMENT

Methods of waste disposal:	processed at wastewater treatment plants
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### 14. TRANSPORT INFORMATION

Classification: Pilam HS can be transported by various means of transports, such as: railway, automobile, inland-aquatic and marine;

Should be transported in accordance with applicable regulations of the freight.

Each mode of transport should be provided with a bill of lading containing the data:

- recipient's address
- product name
- weight
- number of packages

### 15. REGULATORY INFORMATION

Classification and labeling: marking individual packages

Individual packages should contain at least the following data:

- designation of the product according to the standard unit
- name and address of the producer
- net weight
- production date
- expiry date

**General safety regulations should be respected.**