

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.04.2015

Version number 3

Revision: 13.04.2015

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- Trade name: **PERSOFTAL PEN H**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture** Textile auxiliary
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
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 - TTANATEX Chemicals India Pvt. Ltd.
 - 4th Floor, ACE Business Centre,
 - Gokul Nagar, Lal Bahadur Shastri Road,
 - Thane 400 601
 - Maharashtra, India
 - Phone: +91 22 4129 2020
 - Fax: +91 22 4129 2029
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SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** Eye Irrit. H320 Causes eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms:** Void
- **Signal word :** Void
- **Hazard statements**
H320 Causes eye irritation.
- **-Precautionary statements**

P301 + P313	If inhaled get medical advice.
P332 + P351	If skin irritation occurs rinse continuously with water for several mins
P305+P351+P338	If eye irritation occurs rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
P301+P330+P313	If swallowed rinse mouth get medical advice.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical Characterization: Mixtures**
- **Description:** Polymer wax emulsion

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· **Dangerous Component:**

CAS: 9002-88-4 Polyethylene Wax H320 Causes eye irritation.

· **SVHC**

· **Candidate List of Substances of Very High Concern for Authorization (SVHC), Article 59(1) REACH regulation 1907/2006/EC**

The product does not contain any listed substances in concentrations > 0.1%

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

If skin irritation occurs rinse continuously with water for several mins.

· **After eye contact:**

If eye irritation occurs rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing..

· **After swallowing:** If swallowed rinse mouth get medical advice.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Extinguish with carbon dioxide, dry chemical, waterspray or foam.

· **5.2 Special hazards arising from the substance or mixture**

Not combustible

· **5.3 Advice for firefighters**

· **Protective equipment:**

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.

Use personal protective equipment (chapter 8).

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well-sealed receptacles. Store container in a well-ventilated place.
Store at temperature not exceeding 30°C.
Storage period 6 months.
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **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.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals. Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Do not eat or drink while working.
- **Respiratory protection:** No special respiratory protection equipment's is recommended
under normal conditions of use with adequate ventilation
- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

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- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Hazy Liquid
Colour:	Milky
Odour:	Organic Odour

· **pH-value at 20 °C:** 5.0 - 7.0

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

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· **Danger of explosion:** Product does not produce an explosion hazard.

· **Vapour pressure at 20 °C:** Not determined

· **Density at 20 °C:** 0.99 - 1.05 gm/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

· **Viscosity:** Not determined

· **Dynamic at 20 °C:**

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· **9.2 Other information** The above information is not intended for use in preparing product specifications.

SECTION 10: Stability and reactivity

· **10.1 Reactivity**

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Hazardous Polymerisation** Temperature above 175°C polymerization occurs.

· **10.4 Conditions to avoid** Heating above 30°C.

· **10.5 Incompatible materials:** Strong acids, alkalies, chelating agents

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values relevant for**

classification: Oral LD50 > 2000 mg/kg (rat)

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· **Primary irritant effect:** on

the eye: Irritating effect.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

Fish LC50 > 100 mg/l

· **12.2 Persistence and degradability** No further relevant information available.

· **Biodegradability**

OECD 301D>70 %

· **12.3 Bioaccumulative potential** No further relevant information available.

· **General notes:**

The product is a emulsion of high molecular, liquid polymer and is characterized by a very low vapour pressure. It can enter the atmosphere only as an Aerosol.

· Investigations showed that siloxane does not have toxic effect on sludge organism.

Tests showed that siloxane containing sludge brought on agriculture soil did not give negative effects on ground organisms,earthworm and the following growth of the plants.

· In the ground siloxane is decomposed into small silicones molecules abiotically. These small silicone molecules are decomposed biologically in the soil or evaporate from the soil and are decomposed in the atmosphere under the influence of light. Under suitable conditions the following decomposition products are obtained Carbon-dioxide, inorganic silicone and water vapour.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Product residues and uncleaned empty containers should be packaged, sealed, labelled and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

· **Uncleaned packaging:**

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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SECTION 14: Transport information

- 14.1 UN-Number
 - ADR, ADN, IMDG, IATA
 - 14.2 UN proper shipping name
 - ADR, ADN, IMDG, IATA
 - 14.3 Transport hazard class(es)
 - ADR, ADN, IMDG, IATA
 - Class
 - 14.4 Packing group
 - ADR, IMDG, IATA
 - 14.5 Environmental hazards:
 - Marine pollutant:
 - 14.6 Special precautions for user
 - 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 - Transport/Additional information:
 - UN "Model Regulation":
- Void
- Void
- Void
- Void
- Void
- No
- Not applicable.
- Not applicable.
- Not dangerous according to the above specifications.
Keep separated from foodstuffs.
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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Other regulations, limitations and prohibitive regulations
- Annex XIV : List of Substances Subject to Authorisation (SVHC), REACH regulation 1907/2006/EC:
The product does not contain any listed substances in concentrations > 0.1%
- Annex XVII : Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles, REACH regulation 1907/2006/EC:
The product, when used as specified in chapter 1 of this MSDS, does not contain any listed substances in concentrations which are restricted by this Annex.
- 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

SECTION 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 phrases**
H320 Causes eye irritation.
P262 Do not get in eyes, on skin, or on clothing
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well ventilated area.
P280 Wear protective gloves/ eye protection
P301 +P313 If swallowed, get medical advice/attention.
P305 + P351 If in eyes, rinse continuously with water for several minutes.
P330 + P332 Rinse mouth, if skin irritation occurs.
P338 Remove contact lenses if present and easy to do. Continue rinsing.
P404 + P 411 + P271 Store in closed container. Store at temperature not exceeding 30°C

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*Data compared to the previous version altered