

# PEARLAC PAINTS

## SAFETY DATA SHEET

### 1. Identification of the substance

**Product name**

Polyurethane Thinner

**Intended use of the substance/preparation**

Thinner for professional use

### 2. Hazards identification

Classified as a Dangerous Good

Classified as hazardous according

**Hazard symbols**



Signal word: Danger

**Hazard statements**

Highly flammable liquid and vapour.

May be fatal if swallowed and enters airways.

May be harmful in contact with skin or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

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IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
IF exposed or concerned: Get medical advice/ attention.  
Do NOT induce vomiting.  
If eye irritation persists: Get medical advice/ attention.  
Store in a well-ventilated place. Keep cool.

### 3. First aid measures

#### Eye contact

Remove contact lenses holding the eyelids apart. Seek medical advice.

#### Skin contact

Do not use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

#### Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

#### Ingestion

If swallowed, seek medical advice immediately and show this safety data sheet or product label. Do NOT induce vomiting. Keep at rest.

#### Most Important Symptoms/effects, acute and delayed

##### Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

##### Ingestion

May result in gastrointestinal distress.

##### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

#### Notes to physician

No data available on the product.

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## 4. Firefighting measures

### Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray.

### Extinguishing media which shall not be used for safety reasons

High volume water jet

### Specific hazards

Highly flammable liquid and vapour. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

### Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray.

## 5. Accidental release measures

### Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

### Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

### Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

## 6. Handling and storage

### Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

### Storage

#### Suitable storage conditions

Observe label precautions. Refer to Technical Data Sheet (TDS) for further information about storage temperature. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

## 7. Exposure controls/personal protection

### Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and - if practically feasible- by the use of a local exhaust ventilation.

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**Protective equipment**

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye protection**

Use safety eyewear designed to protect against splash of products.

**Hand protection**

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

**Skin and body protection**

Wear suitable protective clothing. Personnel should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber.

**Hygiene measures**

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

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## 8. Physical and chemical properties

### Appearance

**Form :** liquid      **Color:** clear      **Odour:** Characteristic Solvent Odor

**Odor Threshold :** No data available

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pH	Not applicable
Freezing point	Not applicable.
Boiling point	70 °C
Flash point	13 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11.4 %
Lower explosion limit	1 %
Vapour pressure	33.9 hPa

## 9. Stability and reactivity

### Stability

Stable

### Hazardous polymerisation

Will not occur.

### Conditions to avoid

Stable under recommended storage and handling conditions

### Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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## 10. Toxicological information

### Information on likely routes of exposure

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#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

### Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

## 11. Ecological information

Product contains environmentally hazardous substances

### Mobility in soil

No information available.

### Other adverse effects

No information available.

## 12. DISPOSAL CONSIDERATIONS

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**Waste disposal methods**

Dispose of in accordance with local regulations.

**Disposal considerations**

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

**13. Other information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

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