

# SAFETY DATA SHEET

## Thomsit R 740 1Component PUR Fast Barrier Primer

Version 1.0      Revision Date: 25.08.2020      SDS Number: 000000304326      Date of last issue: -  
Date of first issue: 25.08.2020

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Thomsit R 740 1Component PUR Fast Barrier Primer  
Product code : 000000000050505744 000000000050505744

#### Manufacturer or supplier's details

Company : PCI Augsburg GmbH  
Address : PICCARDSTR. 11  
86159 AUGSBURG  
Telephone : +4982159010  
Emergency telephone : ChemTel: +1-813-248-0585  
Telefax : +498215901372

#### Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Inhalation - vapour) : Category 4  
Skin irritation : Category 2  
Serious eye damage : Category 2A  
Respiratory sensitization : Category 1  
Skin sensitization : Category 1B  
Carcinogenicity : Category 2  
Specific target organ toxicity - single exposure : Category 3  
Specific target organ toxicity - repeated exposure : Category 2 (Respiratory system)

#### GHS label elements

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---

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure.  
EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary Statements

: **Prevention:**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P271 Use only outdoors or in a well-ventilated area.

P260 Do not breathe dust or mist.

P201 Obtain special instructions before use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P202 Do not handle until all safety precautions have been read and understood.

P284 In case of inadequate ventilation wear respiratory protection.

P272 Contaminated work clothing should not be allowed out of the workplace.

P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

P314 Get medical advice/ attention if you feel unwell.

P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.

P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.

P362 + P364 Take off contaminated clothing and wash it before reuse.

**Thomsit R 740 1Component PUR Fast Barrier  
 Primer**

Version 1.0	Revision Date: 25.08.2020	SDS Number: 000000304326	Date of last issue: - Date of first issue: 25.08.2020
----------------	------------------------------	-----------------------------	--

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to appropriate hazardous waste collection point.

**Other hazards which do not result in classification**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : isocyanate

does not contain:  
solvent(s)

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	< 50
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	67815-87-6	< 50
diphenylmethane-2,4'-diisocyanate	5873-54-1	< 25
2,2'-Methylenediphenyl diisocyanate	2536-05-2	< 5
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	<= 5

**4. FIRST AID MEASURES**

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

# SAFETY DATA SHEET

## Thomsit R 740 1Component PUR Fast Barrier Primer

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	25.08.2020	00000304326	Date of first issue: 25.08.2020

---

- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do not induce vomiting unless told to by a poison control center or doctor.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Suspected of causing cancer.
- 

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : harmful vapours  
nitrogen oxides  
fumes/smoke  
carbon black
- Specific extinguishing methods : The degree of risk is governed by the burning substance and the fire conditions.  
If exposed to fire, keep containers cool by spraying with water.  
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.
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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wear eye/face protection.  
Use personal protective clothing.  
Handle in accordance with good building materials hygiene and safety practice.
- Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for : Pick up with suitable appliance and dispose of.
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**Thomsit R 740 1Component PUR Fast Barrier  
 Primer**

Version 1.0	Revision Date: 25.08.2020	SDS Number: 000000304326	Date of last issue: - Date of first issue: 25.08.2020
----------------	------------------------------	-----------------------------	--

At the end of the shift the skin should be cleaned and skin-care agents applied.  
 Gloves must be inspected regularly and prior to each use.  
 Replace if necessary (e.g. pinhole leaks).  
 When using do not eat or drink.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: brown
Odor	: characteristic
Odor Threshold	: No data available
pH	: slightly alkaline
Melting point	: not applicable
Boiling point	: > 100 °C
Flash point	: > 100 °C
Evaporation rate	: not determined
Self-ignition	: not self-igniting
Vapor pressure	: No data available
Relative vapor density	: not determined
Density	: approx. 1,2 g/cm <sup>3</sup> (20 °C)
Bulk density	: not applicable
Solubility(ies) Water solubility	: insoluble
Partition coefficient: n- octanol/water	: not applicable for mixtures
Decomposition temperature	: No decomposition if stored and handled as pre- scribed/indicated.
Viscosity Viscosity, dynamic	: not determined
Explosive properties	: Not explosive

# SAFETY DATA SHEET

## Thomsit R 740 1Component PUR Fast Barrier Primer

Version 1.0	Revision Date: 25.08.2020	SDS Number: 000000304326	Date of last issue: - Date of first issue: 25.08.2020
----------------	------------------------------	-----------------------------	--

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Oxidizing properties : not fire-propagating

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### 10. STABILITY AND REACTIVITY

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability : The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions : The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids  
Strong bases  
Strong oxidizing agents  
Strong reducing agents

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

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### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Harmful if inhaled.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

**Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Suspected of causing cancer.

**Reproductive toxicity**

Not classified based on available information.

## Thomsit R 740 1Component PUR Fast Barrier Primer

Version 1.0      Revision Date: 25.08.2020      SDS Number: 000000304326      Date of last issue: -  
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---

### **STOT-single exposure**

May cause respiratory irritation.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Components:**

#### **Isocyanic acid, polymethylenepolyphenylene ester:**

No aspiration hazard expected.

### **Experience with human exposure**

#### **Product:**

General Information : Remarks: According to experience, the product is considered to be harmless to health if used in the correct manner.

### **Further information**

#### **Product:**

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### **Persistence and degradability**

#### **Product:**

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

### **Bioaccumulative potential**

#### **Components:**

#### **Diphenylmethane-4,4'-diisocyanate (MDI):**

Partition coefficient: n-octanol/water : log Pow: 4,51 (22 °C)  
pH: 7  
Method: Partition coefficient (n-octanol/water), HPLC method.



## Thomsit R 740 1Component PUR Fast Barrier Primer

Version 1.0	Revision Date: 25.08.2020	SDS Number: 000000304326	Date of last issue: - Date of first issue: 25.08.2020
----------------	------------------------------	-----------------------------	--

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GLP: no

### **diphenylmethane-2,4'-diisocyanate:**

Partition coefficient: n-  
octanol/water : log Pow: 5,22 (25 °C)  
Method: other (calculated)  
GLP: no

### **2,2'-Methylenediphenyl diisocyanate:**

Partition coefficient: n-  
octanol/water : log Pow: 5,22  
Method: other (calculated)

### **Mobility in soil**

No data available

### **Other adverse effects**

### **Product:**

Additional ecological infor-  
mation : Do not discharge product into the environment without control.  
The product has not been tested. The statements on ecotoxi-  
cology have been derived from the properties of the individual  
components.

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## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Observe national and local legal requirements.  
The waste code in accordance with the European waste cata-  
log (EWC) must be specified in cooperation with disposal  
agency/manufacturer/authorities.  
Residues should be disposed of in the same manner as the  
substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possi-  
ble; then it can be passed on for recycling after being thor-  
oughly cleaned.  
Packs that cannot be cleaned should be disposed of in the  
same manner as the contents.

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## 14. TRANSPORT INFORMATION

### **International Regulations**

#### **UNRTDG**

Not regulated as a dangerous good

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

## Thomsit R 740 1Component PUR Fast Barrier Primer

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	25.08.2020	00000304326	Date of first issue: 25.08.2020

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### 15. REGULATORY INFORMATION

#### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

### 16. OTHER INFORMATION

#### **Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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

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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	25.08.2020	000000304326	Date of first issue: 25.08.2020

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to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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