

Printing date 21.05.2013

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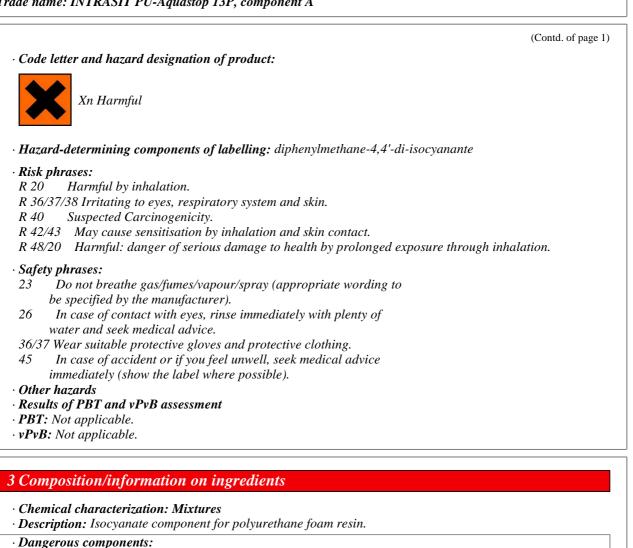
I Identification of the substance/mixture and of the company/undertaking	
· Product identifier	
· Trade name: INTRASIT PU-Aquastop 13P, component A	
<ul> <li>Article number: 50246 B</li> <li>Relevant identified uses of the substance or mixture and uses advised against</li> <li>Application of the substance / the preparation</li> <li>2-comp., Solvent-free, highly reactive injection resin for injection of water bearing cracks.</li> </ul>	
• Details of the supplier of the safety data sheet • Manufacturer/Supplier: Heinrich Hahne GmbH & Co. KG Heinrich-Hahne-Weg 11 45711 Datteln	Tel.:02363/5663-0
<ul> <li>Further information obtainable from: Abteilung: Produktsicherheit Tel.: 02363 5663-0 EMail: info@hahne-bautenschutz.de</li> <li>Emergency telephone number: Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen, Tel.: 0551-19240</li> </ul>	
2 Hazards identification	
<i>GHS08 health hazard</i> <i>Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inh</i> <i>GHS07</i>	aled.
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2 H319 Causes serious eye irritation.	
Skin Sens. 1 H317 May cause an allergic skin reaction.	
STOT SE 3 H335 May cause respiratory irritation.	
<ul> <li>Classification according to Directive 67/548/EEC or Directive 1999/45/EC Xn Harmful</li> <li>Information concerning particular hazards for human and environment:</li> <li>R 20 Harmful by inhalation.</li> <li>R 36/37/38 Irritating to eyes, respiratory system and skin.</li> <li>R 40 Suspected Carcinogenicity.</li> <li>R 42/43 May cause sensitisation by inhalation and skin contact.</li> <li>R 48/20 Harmful: danger of serious damage to health by prolonged exposure through in Contains isocyanates. May produce an allergic reaction.</li> <li>Classification system:</li> </ul>	halation.
The classification is according to the latest editions of the EU-lists, and extended by com data.	pany and literature
· Label elements	= = = = = = = = = = = = =
• Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordina Materials.	ance on Hazardous

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Trade name: INTRASIT PU-Aquastop 13P, component A



9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

50-100%

🗙 Xn R20-40-48; 🗙 Xn R42/43; 🗙 Xi R36/37/38

🚯 Resp. Sens. 1, H334; 🚯 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2,

H319; Skin Sens. 1, H317; STOT SE 3, H335

• Additional information: For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

· Description of first aid measures

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

• Information for doctor:

• Most important symptoms and effects, both acute and delayed No further relevant information available.

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• Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **5** Firefighting measures

#### · Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions. Foam (alcohol resistant), carbon dioxide, powder, spray (water).
- · For safety reasons unsuitable extinguishing agents: waterjet
- · Special hazards arising from the substance or mixture
- *Exposure to decomposition products may cause a health hazard.* • *Advice for firefighters*
- Protective equipment: No further relevant information.
- Additional information Do not allow the quenching water into the sewage system.

### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep spectators away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
- Reference to other sections
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.

# 7 Handling and storage

- · Handling:
- Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- · Information about fire and explosion protection: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Keep containers tightly closed at 5 °C to 30 °C.
- Information about storage in one common storage facility: Keep away from foodstuffs, beverages and food. • Further information about storage conditions:
- Always store in original container. Keep away from heat and direct sunlight.
- · Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· Control parameters

· Ingredients with limit values that require monitoring at the workplace:

101-68-8 diphenylmethane-4,4'-di-isocyanante (50-100%)

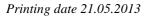
WEL Short-term value: 0.07 mg/m<sup>3</sup> Long-term value: 0.02 mg/m<sup>3</sup> Sen; as -NCO

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<b>MAN DROLECTION:</b> PROTECTIVE	
yay protection: 1 voicente	e work clothing.
hysical and chemical	l properties
formation on basis phys	sign and chamical properties
eneral Information	sical and chemical properties
ppearance:	
Form:	Fluid
Colour:	brownish
dour:	Characteristic
uour:	

Change in condition Melting point/Melting range: Boiling point/Boiling range:		
Flash point:	> 240°C	
Ignition temperature:	520°C	
Self-igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Density at 20°C:	1.23 g/cm <sup>3</sup>	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
Viscosity: Dynamic at 20°C:	130 mPas	
Solvent content: Organic solvents:	0.0 %	
Solids content:	100.0 %	

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· Other information

No further relevant information available.

## 10 Stability and reactivity

- · Reactivity
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions

Reacts exothermically with oxidizing agents, amines, strong bases, alcohols, and the elimination of carbon dioxide with water and acid.

- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* Before highly acidic or alkaline materials, and acid materials in order to avoid exothermic reactions.
- · Hazardous decomposition products:

At high temperatures, carbon dioxide, carbon monoxide, oxides of nitrogen.

# 11 Toxicological information

#### · Information on toxicological effects

• Acute toxicity:

· LD/LC50 values relevant for classification:

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

 Oral
 LD50
 >15000 mg/kg (rat)

 Inhalative
 LC50/4 h
 490 mg/m3 (rat)

· Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- · Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

- Other information (about experimental toxicology):
- There is no information available on the preparation itself.
- 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

Irritant

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

This substance does not meet the criteria for classification as CMR category 1 or 2.

# 12 Ecological information

· Toxicity

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.

· Other information:

Biodegradation:

Diisocyanate, isomers and homologues

0% d 28, i.e. unworkable

Method: respirometer test

Toxicity to fish: LCO> 1000 mg / l

Test species: Danio rerio (zebrafish) Duration of test: 96 h

Acute daphnia: EC50> 1000 mg / l

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Test species: Daphnia magna (water flea) Duration of test: 24 h Acute bacterial toxicity: EC50> 100 mg / l Tested on: Activated Sludge Test time: 3 hours • Behaviour in environmental systems:

• **Bioaccumulative potential** No further relevant information available.

- *Mobility in soil* No further relevant information available.
- · Additional ecological information:

#### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not discharge into drains and waterways.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

## **13 Disposal considerations**

· Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. No longer usable components and let harden in the prescribed mixing. Disposal according to official regulations.

· European waste catalogue

08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances

· Uncleaned packaging:

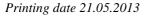
• **Recommendation:** Disposal must be made according to official regulations.

· UN-Number	
ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
• Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
· Class	Void
Packing group	
ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex I	I of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	This preparation is not classified as dangerous according to international transport regulations.
• UN ''Model Regulation'':	-

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#### **15 Regulatory information**

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

- · National regulations:
- · Technical instructions (air):

Class	Share in %
Ι	60.0

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **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

H315 Causes skin irritation.

- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- R20 Harmful by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- *R40 Limited evidence of a carcinogenic effect.*

*R42/43* May cause sensitisation by inhalation and skin contact.

- *R48* Danger of serious damage to health by prolonged exposure.
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

