

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** HADALAN BPT 37DD
- **Article number:** 50348 A
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Accelerator for HADALAN® PUR Top 32P
- **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
- **Further information obtainable from:**  
Abteilung: Produktsicherheit  
Tel.: 02363 5663-0  
EMail: info@hahne-bautenschutz.de
- **Emergency telephone number:**  
Gif tinformationszentrum Nord (GIZ Nord) Universität Göttingen,  
Tel.: 0551-19240

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Solution of an unsaturated C16-C18 fatty acid in dipropylene glycol.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information:** To the case of accident or if you feel unwell.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Water fog or fine spray. Dry chemical. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (eg ATC type), if available.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
Wear positive-pressure self-contained breathing apparatus and wear protective fire fighting clothing. If protective equipment is not available, fight fire from a safe distance or protected location.
- **Additional information**  
During a fire, smoke may contain the original material in addition to unidentified toxic combustion products and / or irritating compounds. Combustion products may include inter alia include: carbon monoxide, carbon dioxide.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected people away.  
Avoid contact with skin and eyes.  
Danger area. No smoking in area.
- **Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
No dangerous substances are released.  
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** Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:**  
Keep away from heat, sparks and flame.  
Do not cut, drill, grind, weld or perform similar operations on or near empty containers perform.
- **Conditions for safe storage, including any incompatibilities** Store only in original container.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool, dry place.
- **Information about storage in one common storage facility:** According to local regulations.
- **Further information about storage conditions:** Keep container tightly closed.

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- **Storage class:** 10
- **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:**

<b>111109-77-4 Dipropylenglykoldimethylether (25-50%)</b>
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DOW IHG Luftgrenzwert 20 ppm
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- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:**

The potential to exceed the occupational exposure limits respiratory protection should be worn. If he is no occupational exposure limits, should when adverse effects, such as respiratory irritation or discomfort or if respiratory protection is indicated by your risk assessment process be worn appearance. In most conditions, no respiratory protection should be needed. However, if symptoms occur, an approved filter mask should be used. The following CE approved air-purifying respirator use: organic vapor cartridge, type A (boiling point > 65 degrees C).

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

When prolonged or frequently repeated contact may occur, wear impervious protective gloves for this material. Use chemical resistant gloves classified under Standard EN 374 (Protective gloves against chemicals and micro-organisms) to use.

- **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.

Examples of preferred glove barrier materials include:

Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Acceptable glove barrier materials include: Natural rubber ("latex"). Neoprene. Nitrile / butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time > 240 minutes according to EN 374). When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time > 60 minutes according to EN 374).

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Use chemical safety goggles. Goggles should be consistent with EN 166 or equivalent match.

- **Body protection:** Wear long-sleeved, body-covering clothing.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Fluid

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

Printing date 14.05.2013

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<b>Colour:</b>	colorless
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	165°C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	The product is not explosive, however, formation of explosive air / vapor mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.9 Vol %
<b>Upper:</b>	nicht bestimmt
· <b>Vapour pressure at 20°C:</b>	0.7 hPa
· <b>Density at 20°C:</b>	0.895 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Segregation coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	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** No dangerous reactions known.
- **Conditions to avoid** Avoid contact with: Strong acids, strong bases, strong oxidizing agents.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

**67701-08-0 Fettsäure C16 - C18, C18 ungesättigt**

Oral	LD50	>5000 mg/kg (rat)
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**111109-77-4 Dipropylenglykoldimethylether**

Oral	LD50	3300 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rat)
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Inhalative	LC50/4 h	>792 mg/l (rat)
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- **Primary irritant effect:**

- **on the skin:** May cause slight irritation.

- **on the eye:**

No irritating effect.

May cause slight eye irritation.

- **Sensitization:** Shows a limited potential to cause allergic skin reactions.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability**

dipropylene:

Material is inherently biodegradable. Reached in OECD test (s) for inherent biodegradability of > 20%.

C16-C18 fatty acid, C18 unsaturated:

Readily and rapidly degradable: all individual organic substances contained in the product achieve in the test for ready biodegradability.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

dipropylene:

The Biokonzentrationspotential is low. Very high potential for mobility in soil.

- **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 allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**

Dispose of observing local and national laws and regulations. Do not discharge in sewers, in the ground or into any body of water.

- **European waste catalogue**

07 01 08*	other still bottoms and reaction residues
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| · <b>UN-Number</b>   | -   |
| · <b>UN proper shipping name</b>   | -   |
| · <b>Transport hazard class(es)</b>  | -   |
| · <b>Packing group</b>   | -   |
| · <b>Special precautions for user</b>  | Not applicable.                                     |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                     |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **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.

- **Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent