

Boltorn H40**1. Identification of the substance/preparation and of the company/undertaking**

Product name: Boltorn H40
Application of the substance: Intermediate for organic synthesis

Supplier: Polymer Factory AB
Teknikringen 48
SE-114 28 Stockholm, Sweden
www.polymerfactory.com

Further information obtainable from: Polymer Factory AB (as above)
Information in case of emergency: (Int.) +46 8 337043 (Emergency Response Center, Sweden)

2. Composition/information on ingredients**Chemical characterization:**

Chemical components	CAS-nr	%	EG-nummer	Symbol	R-fras
	326794-48-3	97 - 100	-	-	-

3. Hazards identification

Hazard description: Not classified.

Information concerning particular hazards for human and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First aid measures

General information: Remove any clothing soiled by the product.

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

After skin contact: Immediately rinse with water. Generally the product does not irritate the skin.

After eye contact: Rinse opened eye under running water.

After swallowing: Rinse out mouth and then drink plenty of water or milk. If you feel unwell consult doctor.

5. Fire fighting measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

6. Accidental release measures

Person-related safety precautions: Ensure adequate ventilation

- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.

Additional information: No dangerous substances are released.

7. Handling and storage

Information for safe handling: Store in cool, dry place in tightly closed container

Information about fire - and explosion protection:
 No special measures required

Storage:

Information about storage in one common storage facility:
 Not required.

Further information about storage conditions:
 Store container in a well ventilated area.

8. Exposure control / personal protection

Ingredients with limit values that require monitoring at the workplace:
 Not required.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

· **General protective and hygienic measures:**

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

· **Respiratory protection:** Not required.

Protection of hands

Protection gloves (Butyl rubber, BR; Chloroprene rubber, CR; Nitrile rubber, NBR)

· **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

9. Physical and chemical properties

General information:

Form (aggregation form): Solid
Colour: Yellowish
Odour: Faint

Change in condition:

Melting point/Melting range: Not determined
Boiling point/Boiling range: > 300 °C
Fusion temperature / range: 25-50 °C

Flash point: > 100 °C

Danger o explosion: Product does not present an explosion hazard.

Density at 20 °C: 1300 kg/m³

Solubility in/miscibility with H₂O: Partly soluble

pH-value (50 g/l) at 20 °C: 2,5-4

Partition coefficient (n-octanol/water): Not determined

Viscosity: (Dynamic at 110°C): 110 mPas

10. Stability and reactivity

Stability: Product is stable.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications

Dangerous reactions:

No dangerous reactions known

· Dangerous decomposition products:

No dangerous decomposition products known

11. Toxikological information**Acute toxicity:**

ORAL (LD50): >2000 mg/kg [rat]

Primary irritant effect:**· on the skin:**

No irritating

· on the eye:

No irritating effect.

· Sensitization:

No sensitizing effects known.

· Other information (about experimental toxicology):

Ames test: Negative (Not a mutagen)

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

12. Ekological information**Information about elimination (persistence and degradability):**

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Other information:

Not available.

· General notes:

Water hazard class 1 (German Regulation): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal consideration**European waste catalogue**

07 00 00 wastes from organic chemical processes

07 07 00 wastes from the MFSU of fine chemicals and chemical products not otherwise specified

07 07 99 wastes not otherwise specified

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Recommendation:

Disposal must be made according to official regulations

Recommended cleansing agents:

Water, if necessary together with cleansing agents

14. Transport information**Land transport ADR/RID (cross-border)****· ADR/RID class:**

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Maritime transport IMDG:**· IMDG Class:**

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Air transport ICAO-TI and IATA-DGR:**· ICAO/IATA Class:**

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15. Regulatory information

Labelling according to EU guidelines:

The substance is not subject to classification according to EU lists.
Observe the general safety regulations when handling chemicals.

16. Other information

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health environmental aspects.

HISTORY

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Summarized by: Eva Malmström