1. Identification

Product identifier

BCY 01

Details of the supplier of the safety data sheet

Company name:	Hottinger Baldwin Messtechnik GmbH
	Darmstadt
Street:	Im Tiefen See 45
Place:	D-64293 Darmstadt
Telephone:	+49 (0)6151 803-0
e-mail:	info@de.hbm.com
Internet:	www.hbm.com
Responsible Department:	Customer Care Center CCC +49 6151 803 0

Emergency phone number: +49(0)6131/19240

2. Hazard(s) identification

Classification of the chemical

Hazard Statements:
Highly flammable liquid and vapor
Toxic if swallowed
May be fatal if swallowed and enters airways
Causes skin irritation
May cause drowsiness or dizziness
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Harmful to aquatic life with long lasting effects

Label elements

Signal word: Warning

Pictograms: flame; health hazard; environment

Hazard statements

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Causes skin irritation
May cause drowsiness or dizziness
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Harmful to aquatic life with long lasting effects

3. Composition/Information on ingredients

Mixtures

Chemical characterization

Activator

Hazardous components

CAS No	Components	Quantity
142-82-5	heptane; n-heptane	< 90- < 100%
99-97-8	N,N-dimethyl-p-toluidine	> 0,1- < 1%

4. First-aid measures

Description of first aid measures

After inhalation

Provide fresh air.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with: Water.
Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water.
Call a physician in any case!

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Water.
Carbon dioxide (CO2).
Foam.
Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Combustible.
Vapours may form explosive mixtures with air.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.
Suppress gases/vapours/mists with water spray jet.
Contaminated fire-fighting water must be collected separately.
Do not allow to enter into surface water or drains.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.
Provide adequate ventilation.
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin, eyes and clothes.
Wear personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only.
Keep in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing. Spontaneously flammable.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No.	Substance	ppm	mg/m³	f/cc	Category	Origin
142-82-5	Heptane (n-Heptane)	500	2000		TWA (8 h)	PEL
142-82-5	n-Heptane	85	350		TWA (8 h)	REL
		C 440	C 1800		Ceiling	REL

Additional advice on limit values

Limitation of exposure peaks: Overflow factor 1

Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream.
After work, wash hands and face. When using do not eat or drink.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Wear suitable protective clothing and gloves.
Suitable gloves type: NBR (Nitrile rubber).

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	colourless
Odor:	characteristic

		Test method
Changes in the physical state		
Melting point/freezing point:	-90,5 °C	
Initial boiling point and boiling range:	98 °C	
Flash point:	-4 °C	DIN 51756
Lower explosion limits:	1,1 vol. %	
Upper explosion limits:	6,7 vol. %	
Ignition temperature:	215 °C	ASTM E 659
Vapor pressure: (at 50 °C)	48 hPa	
Density (at 20 °C):	0,682 g/cm³	

10. Stability and reactivity

Reactivity

Reacts with : Oxidizing agents, strong.

Chemical stability

-

Possibility of hazardous reactions

-

Conditions to avoid

-

Incompatible materials

-

Hazardous decomposition products

Gas/vapours, irritant.

11. Toxicological information

Information on toxicological effects

Toxicocinetics, metabolism and distribution

Harmful: may cause lung damage if swallowed.
The product is classified and labelled according to EC directives or corresponding national laws.

Acute toxicity

Acute toxicity (oral):
Irritant.

Acute toxicity (inhalant):
May cause respiratory irritation. Headache.

CAS No	Components				
	Exposure routes	Method	Dose	Species	Source
99-97-8	N,N-dimethyl-p-toluidine				
	oral	ATE	100 mg/kg		
	dermal	ATE	300 mg/kg		
	inhalative (4 h) vapour	LC50	1,4 mg/l	Ratte	GESTIS
	inhalative aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

After skin contact: Irritant.

Following eye contact: mild irritant.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

12. Ecological information

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do not allow to enter into surface water or drains.

The product is classified and labelled according to EC directives or corresponding national laws.

Persistence and degradability

-

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled.

Handle contaminated packages in the same way as the substance itself.

14. Transport information

Marine transport (IMDG)

UN number:	UN1206
UN proper shipping name:	HEPTANES
Transport hazard class(es):	3
Packing group:	II
Hazard label:	3

Limited quantity:	1 L
EmS:	F-E, S-D

Air transport (ICAO)

UN number:	UN1206

UN proper shipping name:	HEPTANES
Transport hazard class(es):	3
Packing group:	II
Hazard label:	3

Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 311/312 Hazards:
Heptan; n-Heptan (142-82-5): Fire hazard, Immediate (acute) health hazard
N,N-Dimethyl-p-toluidin (99-97-8): Immediate (acute) health hazard, Delayed (chronic) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: N,N-Dimethyl-p-toluidine (cancer).

16. Other information

Revision date:	05.05.2015
Revision No:	3,04

Other data

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)