

innotech Vertriebs GmbH
93055 Regensburg

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Version 1.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

innotech 440 innocool flüssig

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Cutting fluid

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

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Junkersstrasse 16
93055 Regensburg / GERMANY
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Fax +49(0)941 70 46 60
Homepage www.innotech-r.de
E-mail info@innotech-r.de

Address enquiries to

Technical information

info@innotech-r.de

Safety Data Sheet

sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Eye Irrit. 2: H319 Causes serious eye irritation.
Skin Irrit. 2: H315 Causes skin irritation.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word

WARNING

Hazard statements

H319 Causes serious eye irritation.
H315 Causes skin irritation.

Precautionary statements

P280 Wear protective gloves / eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical advice / attention.

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

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3.2 Mixtures

The product is a mixture.

Range [%]	Substance
25 - <100	amine neutralized carboxylic acids GHS/CLP: Eye Irrit. 2: H319 - Skin Irrit. 2: H315
1 - <3	2-Phenoxyethanol CAS: 122-99-6, EINECS/ELINCS: 204-589-7, EU-INDEX: 603-098-00-9, Reg-No.: 01-2119488943-21-XXXX GHS/CLP: Eye Dam. 1: H318 - Acute Tox. 4: H302 - STOT SE 3: H335
1 - <2.5	Alkylethercarbonsäure, neutralisiert CAS: Polymer GHS/CLP: Eye Irrit. 2: H319
<0.1	3-iodo-2-propynyl butylcarbamate CAS: 55406-53-6, EINECS/ELINCS: 259-627-5, EU-INDEX: 616-212-00-7, Reg-No.: 01-2120762115-60-XXXX GHS/CLP: Acute Tox. 3: H331 - STOT RE 1: H372 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - Acute Tox. 4: H302 - Skin Sens. 1: H317, M-Factor (acute): 10, M-Factor (chronic): 1

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
Skin contact	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	Seek medical advice immediately. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide. Water spray jet. Dry powder. Foam.
Extinguishing media that must not be used	Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Nitrogen oxides (NO_x), carbon monoxide (CO).
Not combusted hydrocarbons.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Wash hands before breaks and after work.
Use barrier skin cream.
Do not eat, drink, smoke or take drugs at work.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not store together with food and animal food/diet.
Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not relevant

DNEL

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
Industrial, dermal, Long-term - systemic effects, 2 mg/kg bw/day
Industrial, inhalative, Acute - local effects, 1.16 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 1.16 mg/m ³
Industrial, inhalative, Acute - systemic effects, 70 µg/m ³
Industrial, inhalative, Long-term - systemic effects, 23 µg/m ³
2-Phenoxyethanol, CAS: 122-99-6
Industrial, dermal, Long-term - systemic effects, 20.83 mg/kg bw/day
Industrial, inhalative, Long-term - local effects, 5.7 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 5.7 mg/m ³
general population, oral, Long-term - systemic effects, 9.23 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 10.42 mg/kg bw/day
general population, inhalative, Long-term - local effects, 2.41 mg/m ³
general population, inhalative, Long-term - systemic effects, 2.41 mg/m ³

PNEC

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
soil, 5 µg/kg soil dw
sediment (seawater), 1.6 µg/kg sediment dw
sediment (freshwater), 17 µg/kg sediment dw
sewage treatment plants (STP), 440 µg/L
seawater, 46 ng/L
freshwater, 500 ng/L
2-Phenoxyethanol, CAS: 122-99-6
soil, 1.31 mg/kg soil dw
sediment (seawater), 0.724 mg/kg sediment dw
sediment (freshwater), 7.237 mg/kg sediment dw
sewage treatment plants (STP), 36 mg/L
seawater, 0.094 mg/l
freshwater, 0.943 mg/l

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0.4 mm Nitrile rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	not determined

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	viscous
Color	yellowish
Odor	characteristic
Odour threshold	not determined
pH-value	9.5
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	100
Flammability	not determined
Lower explosion limit	0.6 Vol. %
Upper explosion limit	6.5 Vol. %
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	2.3
Density [g/cm³]	0.98
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	150 mm ² /s
Relative vapour density	not relevant
Evaporation speed	not relevant
Melting point [°C]	not determined
Auto-ignition temperature [°C]	
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

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9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity Based on available data, the classification criteria are not met.

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
LD50, oral, Rat, 1056 mg/kg bw, OECD 401
2-Phenoxyethanol, CAS: 122-99-6
ATE, oral, 1394 mg/kg, ECHA,

Acute dermal toxicity Based on available data, the classification criteria are not met.

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
LD50, dermal, Rabbit, > 2000 mg/kg bw
2-Phenoxyethanol, CAS: 122-99-6
LD50, dermal, Rabbit, 2214 mg/kg bw

Acute inhalational toxicity Based on available data, the classification criteria are not met.

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
LC50, inhalative, Rat, 630 - 6890 mg/m ³ air, 4h

Serious eye damage/irritation Irritant

Substance
2-Phenoxyethanol, CAS: 122-99-6
Eye, Rabbit, OECD 405, irritant

Skin corrosion/irritation Irritant

Substance
2-Phenoxyethanol, CAS: 122-99-6
dermal, Rabbit, OECD 404, non-irritating

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Substance
2-Phenoxyethanol, CAS: 122-99-6
dermal, Guinea pig, OECD 406, negativ

Specific target organ toxicity — single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity — repeated exposure Based on available data, the classification criteria are not met.

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
NOAEL, dermal, Rat, 200 mg/kg bw/day, Systemic, subchronic,
NOAEL, oral, Rat, 20 mg/kg bw/day, Systemic, chronic,
NOAEC, inhalative, Rat, 1.16 mg/m ³ , local, subchronic,
NOAEC, inhalative, Rat, 1.16 mg/m ³ , systemic, subchronic,
2-Phenoxyethanol, CAS: 122-99-6
NOAEL, dermal, Rabbit, 500 mg/kg bw/day, negativ

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NOAEL, oral, Rat, 369 mg/kg bw/day, negativ

NOAEC, inhalative, Rat, 48.2 mg/m³ air, negativ

Mutagenicity

Does not contain a relevant substance that meets the classification criteria.

Substance

2-Phenoxyethanol, CAS: 122-99-6

in vitro, OECD 473, negativ

Reproduction toxicity

Does not contain a relevant substance that meets the classification criteria.

- Fertility

Substance

2-Phenoxyethanol, CAS: 122-99-6

NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ

- Development

Substance

2-Phenoxyethanol, CAS: 122-99-6

NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ

Carcinogenicity

Does not contain a relevant substance that meets the classification criteria.

Substance

3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6

NOAEL, oral, Rat, 20 mg/kg bw/day, chronic,

Aspiration hazard

Based on available data, the classification criteria are not met.

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

Other information

none

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SECTION 12: Ecological information

12.1 Toxicity

Substance
3-iodo-2-propynyl butylcarbamate, CAS: 55406-53-6
EC50, (3h), Microorganisms, 44 mg/L
EC50, (72h), Algae, 53 µg/L
NOEC, (3h), Microorganisms, 6 mg/L
NOEC, (72h), Algae, 4.6 µg/L
EC10, (3h), Microorganisms, 6 mg/L
EC10, (72h), Algae, 4.6 µg/L
2-Phenoxyethanol, CAS: 122-99-6
LC50, (96h), Pimephales promelas, 344 mg/l (ASTM)
EC50, (48h), Daphnia magna, >500 mg/l (OECD 202)
NOEC, (21d), Daphnia magna, 9.43 mg/l (OECD 211)
NOEC, (8d), Pimephales promelas, >220 mg/l (OECD 210)
EC20, (72h), Desmodesmus subspicatus, >500 mg/l (DIN 38412 Part 9)

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

For recycling, consult manufacturer.

Waste no. (recommended)

120107*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Untamminated packaging may be taken for recycling.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people Observe employment restrictions for young people.

- VOC (2010/75/CE) 0 %

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H372 Causes damage to organs through prolonged or repeated exposure.
H331 Toxic if inhaled.

H335 May cause respiratory irritation.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)

Modified position

none

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