Safety Data Sheet

according to Regulation (EC) No 1907/2006

Opticool 372(E)

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

1.1. Product identifier

Opticool 372(E)

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

Use of the substance/mixture

Metal working fluids

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
e-mail:	eu-sds@chesterton.com	
e-mail (Contact person):	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

Special labelling of certain mixtures

EUH208 Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic			>= 15 - < 20 %
	265-156-6	649-466-00-2	01-2119480375-34	
	Asp. Tox. 1; H304			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			>= 1 - < 5 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			
827613-35-4	Amidpolyglycolether			>= 1 - < 5 %
	Skin Irrit. 2, Aquatic Chronic 3; H315 H412			
3913-02-8	2-butyloctan-1-ol			>= 1 - < 2,5 %
	223-470-0		01-2119978234-31	
	Aquatic Acute 1, Aquatic Chronic 2; H400 H411			
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate			< 0,25 %
	259-627-5	616-212-00-7	01-2120762115-60	
	Acute Tox. 3, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H331 H302 H318 H317 H372 H400 H410			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64742-53-6	265-156-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic	>= 15 - < 20 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	>= 1 - < 5 %
	dermal: LD50 = 2764 mg/kg; oral: LD50 = 2410 mg/kg		
3913-02-8	223-470-0	2-butyloctan-1-ol	>= 1 - < 2,5 %
	oral: LD50 = 26533 mg/kg		
55406-53-6	259-627-5	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	< 0,25 %
	inhalation: ATE = 3 mg/l (vapours); inhalation: LC50 = > 6,89 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1795 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1		

Further Information

No information available.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information

Remove victim out of the danger area. When in doubt or if symptoms are observed, get medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation. In case of respiratory tract irritation, consult a physician.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. Where appropriate artificial ventilation. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- Dry extinguishing powder.
- Carbon dioxide (CO2).
- alcohol resistant foam.
- Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
- Nitrogen oxides (NOx),
- Carbon dioxide (CO2),
- Carbon monoxide,
- Phosphorus oxides

5.3. Advice for firefighters

Special protective equipment for firefighters: Chemical protection clothing
In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes. Remove persons to safety. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it

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can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Ventilate affected area.

6.2. Environmental precautions

Cover drains. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment

For containment:
Cover drains. Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Prevent spread over a wide area (e.g. by containment or oil barriers).
For cleaning up:
Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated articles and floor according to the environmental legislation.

Other information

For containment:
Cover drains. Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Prevent spread over a wide area (e.g. by containment or oil barriers).
For cleaning up:
Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas. Handle and open container with care. Always close containers tightly after the removal of product. Avoid contact with skin, eyes and clothes. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Usual measures for fire prevention.

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Advice on general occupational hygiene

When using do not eat, drink, smoke, sniff.
Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. Apply skin care products after work.

Further information on handling

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product. Protect containers against damage.

Hints on joint storage

Do not store together with:
Food and feedingstuffs
Keep away from:
Oxidising agent

Further information on storage conditions

Recommended storage temperature: 5 - 40°C
Protect against: Heat, UV-radiation/sunlight, Frost
storage stability: ~ 12 Mon

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	

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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic			
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	2,73 mg/m³
Worker DNEL, long-term		inhalation	local	5,58 mg/m³
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	1,19 mg/m³
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m³
Worker DNEL, long-term		inhalation	local	67,5 mg/m³
Worker DNEL, acute		inhalation	local	101,2 mg/m³
Worker DNEL, long-term		dermal	systemic	83 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	40,5 mg/m³
Consumer DNEL, long-term		inhalation	local	40,5 mg/m³
Consumer DNEL, acute		inhalation	local	60,7 mg/m³
Consumer DNEL, long-term		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	6,25 mg/kg bw/day
3913-02-8	2-butyloctan-1-ol			
Worker DNEL, long-term		inhalation	systemic	123,3 mg/m³
Worker DNEL, long-term		dermal	systemic	35 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	31,1 mg/m³
Consumer DNEL, long-term		dermal	systemic	21 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	21 mg/kg bw/day
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate			
Worker DNEL, long-term		inhalation	systemic	0,023 mg/m³
Worker DNEL, acute		inhalation	systemic	0,07 mg/m³
Worker DNEL, long-term		inhalation	local	1,16 mg/m³
Worker DNEL, acute		inhalation	local	1,16 mg/m³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day

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PNEC values

CAS No	Substance
Environmental compartment	Value
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic
Secondary poisoning	9,33 mg/kg
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether
Freshwater	1,1 mg/l
Freshwater (intermittent releases)	11 mg/l
Marine water	0,11 mg/l
Freshwater sediment	4,4 mg/kg
Marine sediment	0,44 mg/kg
Secondary poisoning	56 mg/kg
Micro-organisms in sewage treatment plants (STP)	200 mg/l
Soil	0,32 mg/kg
3913-02-8	2-butyloctan-1-ol
Freshwater	0 mg/l
Freshwater (intermittent releases)	0,014 mg/l
Marine water	0 mg/l
Micro-organisms in sewage treatment plants (STP)	10 mg/l
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate
Freshwater	0,001 mg/l
Freshwater (intermittent releases)	0,001 mg/l
Marine water	0 mg/l
Freshwater sediment	0,017 mg/kg
Marine sediment	0,002 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,44 mg/l
Soil	0,005 mg/kg

8.2. Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection:
- Eye glasses with side protection
- goggles

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Hand protection

Tested protective gloves must be worn: EN ISO 374
NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
Thickness of the glove material >= 0,7 mm
Breakthrough times and swelling properties of the material must be taken into consideration.
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.
Wearing time with occasional contact (splashes): max. 480 min. (NBR (Nitrile rubber))
Wearing time with permanent contact 240 - 480 min (NBR (Nitrile rubber))
Observe the wear time limits as specified by the manufacturer.

Skin protection

Body protection: not required.

Respiratory protection

No special measures are necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Respiratory protection necessary at: insufficient ventilation, aerosol or mist formation
Combination filtering device

Thermal hazards

No data available

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	brown
Odour:	characteristic

		Test method
Melting point/freezing point:	No data available	
Boiling point or initial boiling point and boiling range:	> 100 °C	
Flammability		
Solid/liquid:	No data available	
Gas:	No data available	
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6,5 vol. %	
Flash point:	> 100 °C	DIN ISO 2592
Auto-ignition temperature:	No data available	
Decomposition temperature:	No data available	
pH-Value (at 20 °C):	9,2	DIN 51369
Viscosity / kinematic: (at 20 °C)	~ 130 mm²/s	DIN EN ISO 3104
Water solubility:	miscible	

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Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density (at 20 °C):	0,987 g/cm³

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not explosive according to EU A.14

Self-ignition temperature

Solid:	No data available
Gas:	No data available

Oxidizing properties

No information available.

Other safety characteristics

Sublimation point:	No data available
Softening point:	No data available
Pour point:	No data available
Viscosity / dynamic:	No data available

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity

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

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ATEmix calculated

ATE (inhalation vapour) 1250,00 mg/l; ATE (inhalation dust/mist) 208,333 mg/l

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 mg/kg	> 5000	Rabbit	Study report (1982)	OECD Guideline 402
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	oral	LD50 mg/kg	2410	Mouse	Study report (1981)	OECD Guideline 401
	dermal	LD50 mg/kg	2764	Rabbit	Study report (1981)	OECD Guideline 402
3913-02-8	2-butyloctan-1-ol					
	oral	LD50 mg/kg	26533	Rat	Study report (1986)	OECD Guideline 401
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate					
	oral	LD50 mg/kg	1795	Rat	Study report (1984)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1991)	EPA OPP 81-2
	inhalation vapour	ATE	3 mg/l			
	inhalation (4 h) dust/mist	LC50 mg/l	> 6,89	Rat	Study report (1985)	OECD Guideline 403

Irritation and corrosivity

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

Sensitising effects

Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

No data available

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SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.
The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic						
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas	Study report (1995)	OECD Guideline 203
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether						
	Acute fish toxicity	LC50 mg/l	1300	96 h	Lepomis macrochirus	J Haz Mat, 1, p303-18 (1977)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 100	96 h	Desmodesmus subspicatus	Study report (1992)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	Study report (1992)	EU Method C.2
3913-02-8	2-butyloctan-1-ol						
	Acute fish toxicity	LC50 mg/l	0,55	96 h	Oncorhynchus mykiss	Study report (2012)	OECD Guideline 203
	Acute algae toxicity	ErC50	2,1 mg/l	72 h	Raphidocelis subcapitata	Study report (2012)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	0,14	48 h	Daphnia magna	Study report (2002)	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	0,014	21 d	Daphnia magna	Study report (2005)	OECD Guideline 211
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate						
	Acute algae toxicity	ErC50 mg/l	0,022	72 h	Desmodesmus subspicatus	REACh Registration Dossier	OECD Guideline 201
	Fish toxicity	NOEC mg/l	0,0084	35 d	Pimephales promelas	REACh Registration Dossier	EPA OPP 72-4
	Crustacea toxicity	NOEC mg/l	0,0499	21 d	Daphnia magna	REACh Registration Dossier	EPA OPP 72-4
	Acute bacteria toxicity	(EC50	44 mg/l)	3 h	activated sludge, domestic	REACh Registration Dossier	EU Method C.11

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12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			
		85%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	1
3913-02-8	2-butyloctan-1-ol	5,5
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	2,81

BCF

CAS No	Chemical name	BCF	Species	Source
3913-02-8	2-butyloctan-1-ol	83,5		Calculation (2010)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.
Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 55

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water hazard class (D):	2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic
2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether
2-butyloctan-1-ol
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate

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SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,8,9,12,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

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

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