



SAFETY DATA SHEET

INOcare X'TRA

Safety Data Sheet



INOMETA GmbH

according to Regulation (EC) No 1907/2006

INOcare X'tra

Print Date: 25.11.2016

Product code: 199354

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

1.1. Product identifier

INOcare X'tra

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

Use of the substance/mixture

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Company name:	INOMETA GmbH	
Street:	Planckstraße 15	
Place:	D-32052 Herford	
Telephone:	+49 (5221) 777-0	Telefax: +49 (5221) 777-500
e-mail:	info@inometa.de	
Contact person:	Michael Reuter	
e-mail:	mrr@inometa.de	
Internet:	www.inometa.de	
Responsible Department:	Laser Spezialist, Laser Specialist	

1.4. Emergency telephone number:

For medical advice (in German and English language):
Call +49/ 551/ 192 40 (Poison Information center nord)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

Additional advice on labelling

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

2.3. Other hazards

Wear suitable gloves.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture related information

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Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
34590-94-8	(2-methoxymethylethoxy)propanol			50 - < 100 %
	252-104-2		01-2119450011-60	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			1 - < 3 %
	203-905-0	603-014-00-0	02-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H312 H332 H315 H319			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures are necessary.

After inhalation

In case of breathing difficulties administer oxygen. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Call a physician immediately. Let water be drunken in little sips (dilution effect). Do not leave affected person unattended.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. Extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Wear chemical resistant suit. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Keep away from unprotected people. Keep upwind.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

High slip hazard because of leaking or spilled product.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

All work processes must always be designed so that the following is excluded: skin contact. Eye contact. inhalation. Keep only in the original container.

Further information on handling

Store only in original container.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep locked up and out of the reach of children. Keep only in the original container in a cool, well-ventilated place.

Advice on storage compatibility

Materials to avoid: Acid. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			
Consumer DNEL, acute		oral	systemic	13,4 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	8,8 mg/l
	Freshwater	

8.2. Exposure controls

Appropriate engineering controls

To date, no national critical limit values exist.

Protective and hygiene measures

Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. Eye-shade. German Industry Norms (DIN) / European Norms (EN): DIN EN 165

Hand protection

Tested protective gloves are to be worn: DIN EN 374 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.

Skin protection

Body protection: not required.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparent
Odour:	ether

Test method

Changes in the physical state

Melting point:	- 83 °C
Initial boiling point and boiling range:	184 - 190 °C
Sublimation point:	No data available
Softening point:	No data available
Flash point:	79 °C

Flammability

non-flammable

Lower explosion limits:	1,3 vol. %
Upper explosion limits:	8,7 vol. %
Ignition temperature:	270 °C
Vapour pressure: (at 20 °C)	0,52 hPa
Density (at 20 °C):	0,95 g/cm ³
Water solubility:	completely miscible
Viscosity / dynamic: (at 20 °C)	3,71 mPa·s

9.2. Other information

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Solid content:

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name	Exposure route	Method	Dose	Species	Source
34590-94-8	(2-methoxymethylethoxy)propanol	oral	LD50	> 5000 mg/kg	rat	
		dermal	LD50	> 2000 mg/kg	rabbit	
		inhalative (4 h) aerosol	LC50	55 - 60 mg/l	rat	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	oral	LD50	470 mg/kg	Rat	
		dermal	ATE	1100 mg/kg		
		inhalative vapour	ATE	11 mg/l		
		inhalative aerosol	ATE	1,5 mg/l		

Irritation and corrosivity

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

Sensitising effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Aspiration hazard

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

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SECTION 12: Ecological information

12.1. Toxicity

No data available

CAS No	Chemical name	Method	Dose	[h] [d]	Species	Source
34590-94-8	(2-methoxymethylethoxy)propanol					
	Acute fish toxicity	LC50	> 10000 mg/l	96 h	pimephales promelas	
	Acute crustacea toxicity	EC50	1919 mg/l	48 h	daphnia magna	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether					
	Acute fish toxicity	LC50	1490 mg/l	96 h	Lepomis macrochirus	

12.2. Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Product may not be released into water without pre-treatment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN 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.

Inland waterways transport (ADN)

14.1. UN 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.

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14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN 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:

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 data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
EUH210	Safety data sheet available on request.

Further Information

The information is based on present level 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.)