



SAFETY DATA SHEET

# INOcare X'TRA PLUS

# Safety Data Sheet



INOMETA GmbH

according to Regulation (EC) No 1907/2006

## INOcare X'tra Plus

Print Date: 25.11.2016

Product code: 199601

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

#### 1.1. Product identifier

INOcare X'tra Plus

#### 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:	Laserspezialist, 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

Hazard categories:  
Acute toxicity: Acute Tox. 4  
Skin corrosion/irritation: Skin Corr. 1  
Serious eye damage/eye irritation: Eye Dam. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

#### 2.2. Label elements

##### Hazard components for labelling

caustic potash, potassium hydroxide  
2-aminoethanol, ethanolamine  
2-phenoxyethanol  
Isotridecanol, ethoxylated (> 5 - 20 EO)

Signal word: Danger

Pictograms:



##### Hazard statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

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### Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

### Additional advice on labelling

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

### 2.3. Other hazards

Wear protective gloves and eye/face protection.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture related information

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1310-58-3	caustic potash, potassium hydroxide			25 - < 30 %
	215-181-3		01-2119487136-33	
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314			
141-43-5	2-aminoethanol, ethanolamine			25 - < 30 %
	205-483-3	603-030-00-8	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT SE 3; H302 H312 H332 H314 H335			
122-99-6	2-phenoxyethanol			5 - < 15 %
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
69011-36-5	Isotridecanol, ethoxylated (> 5 - 20 EO)			1 - < 5 %
	500-241-6			
	Acute Tox. 4, Eye Dam. 1; H302 H318			

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

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take off immediately all contaminated clothing, including underwear and shoes. Do NOT induce vomiting. Let water be drunk in little sips (dilution effect).

#### After inhalation

In case of breathing difficulties administer oxygen. Call a physician immediately. 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. Wash thoroughly the body (shower or bath).

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### 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

Contact with acids liberates toxic gas. Nitrogen oxides (NOx). Reacts with : acid.

### 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

### 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.

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### 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 <sup>3</sup>	fibres/ml	Category	Origin
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	WEL
		3	7.6		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
141-43-5	2-aminoethanol, ethanolamine			
Consumer DNEL, long-term		oral	systemic	3,75 mg/kg bw/day

#### PNEC values

CAS No	Substance	Value
Environmental compartment		
141-43-5	2-aminoethanol, ethanolamine	
Freshwater		0,085 mg/l

### 8.2. Exposure controls

#### 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

Suitable protective clothing: Apron. Boots. Required properties: liquid proof. leachate-proof.

#### Respiratory protection

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

#### Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: brown

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Odour: characteristic

pH-Value (at 20 °C):

14

### Test method

#### Changes in the physical state

Melting point:

No data available

Initial boiling point and boiling range:

No data available

Sublimation point:

No data available

Softening point:

No data available

Flash point:

No data available

#### Flammability

non-flammable

Ignition temperature:

380 °C

Vapour pressure:

23 hPa

Density (at 20 °C):

ca. 1,2 g/cm<sup>3</sup>

Water solubility:

completely miscible

Viscosity / dynamic:  
(at 20 °C)

35 mPa·s

#### 9.2. Other information

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

Reacts with : Acid.

#### 10.4. Conditions to avoid

No data available

#### 10.5. Incompatible materials

Exothermic reactions with: Acid.

#### 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

Harmful if swallowed.

##### ATEmix calculated

ATE (oral) 679,7 mg/kg

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CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50	273 mg/kg	rat	
141-43-5	2-aminoethanol, ethanolamine				
	oral	LD50	1515 mg/kg	Rat	
	dermal	LD50	1025 mg/kg	Rabbit	IUCLID
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
122-99-6	2-phenoxyethanol				
	oral	LD50	1850 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	
69011-36-5	Isotridecanol, ethoxylated (> 5 - 20 EO)				
	oral	LD50 mg/kg	500 - 2000	Rat	OECD 423

### Irritation and corrosivity

Causes severe skin burns and eye damage.

### Sensitising effects

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

### STOT-single exposure

May cause respiratory irritation. ( 2-aminoethanol, ethanolamine))

### 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
1310-58-3	caustic potash, potassium hydroxide					
	Acute fish toxicity	LC50	45,4 mg/l	96 h	mykiss	
	Acute crustacea toxicity	EC50	40 mg/l	48 h	Evertebrata	
141-43-5	2-aminoethanol, ethanolamine					
	Acute fish toxicity	LC50	150 mg/l	96 h	Onchorhynchus mykiss	IUCLID
	Acute algae toxicity	ErC50	22 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50	220 - 460 mg/l	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50	> 500 mg/l	72 h	Scenedesmus sp.	
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna	

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### 12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
141-43-5	2-aminoethanol, ethanolamine	-1,91 (25°C)
122-99-6	2-phenoxyethanol	1,16

### 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)

<u>14.1. UN number:</u>	UN 1814
<u>14.2. UN proper shipping name:</u>	POTASSIUM HYDROXIDE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	II
Hazard label:	8



Classification code:	C5
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

### Inland waterways transport (ADN)

<u>14.1. UN number:</u>	UN 1814
<u>14.2. UN proper shipping name:</u>	POTASSIUM HYDROXIDE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8



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**14.4. Packing group:** II

Hazard label: 8



Classification code: C5

Limited quantity: 1 L

Excepted quantity: E2

### Marine transport (IMDG)

**14.1. UN number:** UN 1814

**14.2. UN proper shipping name:** POTASSIUM HYDROXIDE SOLUTION

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** II

Hazard label: 8



Special Provisions: -

Limited quantity: 1 L

Excepted quantity: E2

EmS: F-A, S-B

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1814

**14.2. UN proper shipping name:** POTASSIUM HYDROXIDE SOLUTION

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** II

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 0.5 L

Passenger LQ: Y840

Excepted quantity: E2

IATA-packing instructions - Passenger: 851

IATA-max. quantity - Passenger: 1 L

IATA-packing instructions - Cargo: 855

IATA-max. quantity - Cargo: 30 L

### 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

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### 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)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

#### 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.)*