

OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 1 of 7

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

1.1. Product identifier

OxiEx - JE709

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

Use of the substance/mixture

Cleaner

1.3. Details of the supplier of the safety data sheet

Company name:	Jentner Plating Technology GmbH		
Street:	Sandweg 20		
Place:	D-75179 Pforzheim		
Telephone:	+49 (0)7231 418094 0	Telefax: +49 (0)7231 418094 77	
e-mail:	info@jentner.de		
Contact person:	Chemistry Department.		
Internet:	www.jentner.de		
Responsible Department:	The respondent department 0049 7231 280980 is reachable at our usual opening times on Mo-Fr between 08:00 am and 05:00 pm		

1.4. Emergency telephone number:

Poison Information Center of the University of Freiburg.
0049 (0)761 19240 - 24 h german and english

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Xn - Harmful

R phrases:

Possible risk of harm to the unborn child.

Limited evidence of a carcinogenic effect.

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Carcinogenicity: Carc. 2

Reproductive toxicity: Repr. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Suspected of causing cancer.

Suspected of damaging the unborn child.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

thiocarbamide, thiourea

Signal word: Warning

Pictograms: GHS08



OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 2 of 7

Hazard statements

- H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container to an officially registered waste disposal company .

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Solution of thiourea and surfactants.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-543-5	thiocarbamide, thiourea	5-10 %
62-56-6	Carc. Cat. 3, Repr. Cat. 3, Xn - Harmful, N - Dangerous for the environment R40-63-22-51-53	
612-082-00-0	Carc. 2, Repr. 2, Acute Tox. 4, Aquatic Chronic 2; H351 H361d *** H302 H411	
204-812-8	2-Ethylhexyl sodium sulfate	5 %
126-92-1	Xi - Irritant R38-41	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing, including underwear and shoes .

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Seek medical advice immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

All

OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 3 of 7

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NOx), Sulphur dioxide (SO₂).

Additional information

In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Open and handle container with care.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs.

When using do not eat, drink, smoke, sniff.

Avoid contact with skin and eyes.

Eye/face protection

Schutzbrille

Hand protection

After cleaning apply high-fat content skin care cream.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	transparent
Odour:	Soap.

Test method

pH-Value (at 20 °C):	ca. 2
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Changes in the physical state

Initial boiling point and boiling range:	>90 °C
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Sublimation point:	not determined
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Explosive properties

not explosive.

OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 4 of 7

Oxidizing properties

Not oxidizing.

Vapour pressure:	not determined
Density (at 20 °C):	1,2 g/cm ³
Water solubility:	completely miscible
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not applicable

9.2. Other information

Solid content:	not determined
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SECTION 10: Stability and reactivity

10.2. Chemical stability

not determined

10.3. Possibility of hazardous reactions

not determined

10.5. Incompatible materials

Materials to avoid: Alkalis (alkalis), Oxidizing agents, strong.

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x).
Sulphur dioxide (SO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
62-56-6	thiocarbamide, thiourea	oral	ATE	500 mg/kg		
126-92-1	2-Ethylhexyl sodium sulfate	oral	LD50	8000 mg/kg	Rat	
		dermal	LD50	7200 mg/kg	Rabbit	

Irritation and corrosivity

Irritant.

Sensitising effects

sensitizing.

STOT-single exposure

No information available.

Carcinogenic/mutagenic/toxic effects for reproduction

Limited evidence of a carcinogenic effect.

OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 5 of 7

Specific effects in experiment on an animal

Werte für Thioharnstoff / Values for thiourea.
LD50 akut Oral : 1750 mg/kg Rat
LD50 akut Dermal: >2800 mg/kg Kanin/Rapid

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
126-92-1	2-Ethylhexyl sodium sulfate					
	Acute fish toxicity	LC50	>100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.6. Other adverse effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
(Thioharnstoff/Thiourea)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Water. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Thiourea)

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Transport category:

3

OxiEx - JE709

Print date: 26.01.2015


Product code: 46

Page 6 of 7

Hazard No: 90
Tunnel restriction code: E


Other applicable information (land transport)
E1

Inland waterways transport (ADN)

14.1. UN number: UN3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiourea)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Classification code: M6
Special Provisions: 274 335 601
Limited quantity: 5 L


Other applicable information (inland waterways transport)
E1

Marine transport (IMDG)

14.1. UN number: 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiourea max. 10%)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Special Provisions: 179, 274, 335, 909
Limited quantity: 5 L
EmS: F-A, S-F

Other applicable information (marine transport)
E1

Air transport (ICAO)

14.1. UN number: 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiourea max. 10%)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Special Provisions: A97 A158
Limited quantity Passenger: 30 kg G

OxiEx - JE709

Print date: 26.01.2015

Product code: 46

Page 7 of 7

IATA-packing instructions - Passenger:	964
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	964
IATA-max. quantity - Cargo:	450 L

Other applicable information (air transport)

E1
: Y964

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions:	Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D):	3 - highly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Relevant R-phrases (Number and full text)

22	Harmful if swallowed.
38	Irritating to skin.
40	Limited evidence of a carcinogenic effect.
41	Risk of serious damage to eyes.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
63	Possible risk of harm to the unborn child.

Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

This information is based on the present state of knowledge, but they do not constitute a guarantee of product properties and establishes no contract legal rights. Existing laws and regulations are followed by the recipient of our products on their own responsibility. This MSDS contains only safety-related information and does not replace any information or product specifications.

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