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		Revision nr.: 002
	BIOTENSIDON Industry Cleaner	Issuing date 31.03.2014
		supersedes 001

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Commercial Product Name: BIOTENSIDON Industry Cleaner

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

Main use category: Consumer use
 Specific use(s): Cleaner for oils and fat

1.3. Details of the supplier of the safety data sheet

Company: BIOTENSIDON GmbH
 Bannwaldallee 46
 76185 Karlsruhe | Germany
 Fon: +49 721 470 34 33
 Fax: +49 721 470 34 31
 Email: info@biotensidon.de

1.4. Emergency telephone number

GERMANY	+49 30 19 24 0	Poison Center Berlin
AUSTRIA	+431 406 43 43	Vergiftungsinformationszentrale (Poisons Information Centre)
BELGIUM	+32 70 245 245	Centre Anti- Poisons/ Antigiftcentrum c/o Hospital Central de la Base - Reine Astrid
CROATIA	+385 1 234 8342	Poisons Control Centre Institute of Medical Research & Occupational Health
DENMARK	+45 82 12 12 12 +45 35 31 55 55	Poison Information Centre Bispebjerg Hospital
GERMANY	+49 228 287 3211	Informationszentrale gegen Vergiftungen Zentrum für Kinderheilkunde der Rheinischen-Friedrich-Wilhelm- Universität Bonn
ROMANIA	+40 2121 06282 +40 2121 06183	TOXAPEL Emergency Clinical Hospital for Children "Grigore Alexandrescu"
SWITZERLAND	+41 44 251 51 51	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre

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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008/EC

Mixture: CLP classification not requested

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification: the product is non-dangerous in accordance with Directive 1999/45/EC
not classified

2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Mixture: CLP classification not requested

2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

S-phrases: S2 Keep out of the reach of children
S7 Keep container tightly closed
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3. Other hazards

Other hazards which do not result in classification: Results of PBT and vPvB assessment:
Non-classified PBT substance, Non-classified vPvB substance

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

not applicable


3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
vegetable Oil condensate (amphoteric surfactant)	(CAS-Nr.) internal (EG-Nr.) (Index-Nr.)	3 - 15	Not classified
Substance name	Product identifier	%	Classification according to Reg. (EC) No. 1272/2008 [CLP]
vegetable Oil condensate (amphoteric surfactant)	(CAS-Nr.) internal (EG-Nr.) (Index-Nr.)	3 - 15	Not classified

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

Identification of the Mixture:

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account

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4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Not applicable
Skin contact:	Not applicable
Eye contact:	Remove contact lenses Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes, Consult a physician
Ingestion:	do NOT induce vomiting rinse mouth, drink plenty of water consult a physician if necessary
Additional advice:	never give anything by mouth to an unconscious person Show this safety data sheet to the doctor in attendance Treat symptomatically When symptoms persist or in all cases of doubt seek medical advice

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

Inhalation:	Health injuries are not known or expected under normal use
Skin contact:	No sensitisation responses were observed
Eye contact:	May be irritating
Ingestion:	Health injuries are not known or expected under normal use

4.3. Indication of immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media


Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Extinguishing media which shall not be used for safety reasons:	none known

5.2. Special hazards arising from the substance or mixture

Fire Hazard:	Not combustible
Specific hazards:	none known

5.3. Advice for firefighters

Advice for firefighters:	no special handling advice required
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid contact with eyes
 Advice for emergency responders: no special handling advice required

6.2. Environmental precautions

Environmental precautions: none

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up: Prevent further leakage or spillage if safe to do so. Rinse with plenty of water

6.4. Reference to other sections

see also section 8
 see also section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling: No special handling advice required. The product is not flammable nor combustible
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.
 Packaging material: Store in original container

7.3. Specific end use(s)

not applicable


8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit(s): not applicable

8.2. Exposure controls

Respiratory protection: not required
 Hand protection: no special protective equipment required
 Eye protection: no special protective equipment required
 Skin and body protection: no special protective equipment required
 Engineering measures: not required
 Environmental exposure controls: not required

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	liquid
Colour	Light green to light yellow
pH:	pH 10,0 +/- 1,0 @20°C (Batch-dependent)
Melting point/range:	not applicable
Boiling point/boiling range:	~100°
Flash point:	the product is not flammable
Evaporation rate:	no data available
Explosion limits:	not applicable
Vapour pressure:	no data available
Vapour density:	no data available
Density:	1,1 - 1,12 g/cm ³
Water solubility	completely miscible
Partition coefficient: n-octanol/water:	no data available
Autoignition temperature	not applicable
Viscosity:	300-600 cSt @ 20°C
Explosive properties:	not applicable
Oxidizing properties:	not applicable

9.2. Other information

Surface tension:	20 - 30 mN/m
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10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity:	see also section 10.5.
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10.2. Chemical stability

Stability:	stable under normal conditions
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10.3. Possibility of hazardous reactions

Hazardous reactions:	none under normal processing
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10.4. Conditions to avoid


Conditions to avoid:	None known
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10.5. Incompatible materials

Incompatible materials:	None known
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10.6. Hazardous decomposition products

Hazardous decomposition products:	No decomposition if stored and applied as directed
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11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: not classified

vegetable Oil Condensate(-)	
LD50/oral/rat	> 2.000mg/kg

Irritation: not classified
Ph-Wert ~ 10.0 +/- 1,0 (@20°C)

Corrosivity: not classified
Ph-Wert~ 10,0 +/- 1,0 (@20°C)

Sensibilisierung: not classified


Repeated dose toxicity: not classified

Carcinogenicity: not classified

Mutagenicity: not classified

Reproductive toxicity: not classified

Further information:

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects:	not hazardous
Component:	natural vegetable oil condensate
LC50/96h/fish	> 100mg/ leuciscus Idus
EC50748h/daphnia	> 128mg/ daphnia magna

12.2. Persistence and degradability

Persistence and degradability:	readily biodegradable
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12.3. Bioaccumulative potential

Bioaccumulation:	no data is available on the product itself
Partition coefficient: n-octanol/water:	no data available

12.4. Mobility in soil


Mobility:	very mobile in the soil
Surface tension:	20 - 30 mN/m

12.5. Results of PBT and vPvB assessment

PBT/vPvB:	this mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).,This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)
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12.6. Other adverse effects

no data available

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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products:

see also section 7. Handling and storage, dispose of in accordance with local regulations, flush into sewer with plenty of water

Contaminated packaging:

empty containers should be taken to an approved waste handling site for recycling or disposal

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC):

the following Waste Codes are only suggestions: 20 01 30 detergents other than those mentioned in 20 01 29 , 15 01 02 - Plastic packaging . Waste codes should be assigned by the user based on the application for which the product was used

14. TRANSPORT INFORMATION

not classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

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

not applicable

15.1.1. EU-Regulations

Authorisations/Restrictions on use:

not applicable

15.1.2. Nationale Vorschriften

WGK 1:

1


15.2. Chemical Safety Assessment

no data available

16. OTHER INFORMATION

Sources of key data used to compile the datasheet:

<http://ecb.jrc.ec.europa.eu>
 SDS 'BIOTENSIDON' from supplier issued 01.09.2011

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Abbreviations and acronyms:

ADNR	Accord Européen relatif au Transport International des Merchandise Dangereuses par voie de Navigation du Rhin
ADR	Accord Européen relatif au Transport International des Merchandise Dangereuses par Route
CLP	Classification, Labeling and Packing Regulation according to 1272/2008/EC
IATA	International Air Transport Association
IMDG	International Maritim Dangerous Goods Code
LEL	Lower Explosive Limit/Lower Explosion Limit
UEL	Upper Explosion Limit/Upper Explosive Limit
REACH	Registration, Evalutation, Authorization and Restriction of Chemicals
CSR	Stoffsicherheitsbericht
LD50	Mittlere letal Dosis
STEL	Abgeleitete Expositionshöhe ohne Beeinträchtigung
TLV	Threshold limits
TWA	time weighted average persistent, bioaccumulating and toxic (PBT). very persistent and very bioaccumulating (vPvB)
WGK	Wassergefährdungsklasse (Water, Hazard, Class under German Federal Water Management Act.)

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

INDUSTRY CLEANER

A. Process:

It is a detergent formulation the basic ingredient is made from natural, renewable raw materials. The natural cleaning and emulsifying properties of vegetable oil condensate have convincing results in the cleaning of various surfaces.

B. Ingredients :

Vegetable oil condensate and demineralized water

C. Indication:

Workshops, petrol stations, industry and production sites, tank cleaning, aircraft and ship cleaning, trains and track systems, agricultural machinery, stables and buildings, wherever oils, fuel and grease are used.

BIOTENSIDON Industry cleaner is perfect for degreasing tasks. It is excellent at removing synthetic and mineral base grease and oil.

BIOTENSIDON can even be used to clean drain pipes and, with regular use, pipes remain largely free of grease and oils.

D. Doses:

1:30 to 1:350 - Cleaning bath and kitchen faucets, oven cleaning, pre, main and hand carwash

1:1 to 1:250 – Cleaning boats, brake discs, eyeglass, office, extractor fan, stainless steel, wheel, alloy
Spot, tile, floor, garden furniture, de-oiling and degreasing

1:20 to 1:300 - Cleaning glass, visor and grill

1:50 to 1:250 - High-pressure, machine, metal, furniture, engine, upholstery, PC, pool, jewelery, carpet
Hand textile machine textile, general gas pump cleaners and oil spot removal for concrete

E. Contraindications:

There are no contraindications known. The basic ingredients are made from natural renewable resources and are easily biodegradable.

It is a product of biological origin, derived from natural, renewable raw materials and due to our experience the product can be classified as non-allergic, non-toxic, non-flammable and non-explosive. The preparation doesn't cause any harm to the health of humans, animals and nature.