according to Regulation (EC) No. 1907/2006



Capadur UniversalLasur Walnuss

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

1.1 Product identifier

Trade name Capadur UniversalLasur Walnuss

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

Use of the Sub-Solvent-borne coatings

stance/Mixture

Recommended restrictions

on use

within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH

> Roßdörfer Straße 50 64372 Ober-Ramstadt

Telephone : +496154710 Telefax : +49615471222 E-mail address Responsi-: msds@dr-rmi.com

ble/issuing person

1.4 Emergency telephone number

Emergency telephone num-: +49615470202

ber 1

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Cat-H412: Harmful to aquatic life with long lasting effects.

egory 3

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard **EUH066** Repeated exposure may cause skin

Statements dryness or cracking.

Precautionary statements P101 If medical advice is needed, have product container or

label at hand.

P102 Keep out of reach of children.

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Prevention:

P273 Avoid release to the environment.

Additional Labelling

EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one, 2-octyl-2H-isothiazol-3-one,

2-methyl-2H-isothiazol-3-one, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate.

May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Alkyd-resin-based wood varnish, solvent-containing

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 649-327-00-6 01-2119486659-16	Asp. Tox. 1; H304 EUH066	>= 30 - < 50
1-isopropyl-2,2- dimethyltrimethylene diisobutyrate	6846-50-0 229-934-9 01-2119451093-47	Repr. 2; H361d Aquatic Chronic 3; H412	>= 1 - < 2,5
bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate	41556-26-7 255-437-1 01-2119491304-40	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
4,5-dichloro-2-octyl-2H-isothiazol-3-one	64359-81-5 264-843-8	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Eye Dam. 1; H318 Aquatic Chronic 1; H410 M-Factor (Acute): 100 M-Factor (Chronic): 10	>= 0,0025 - < 0,025
2-octyl-2H-isothiazol-3-one	26530-20-1 247-761-7 613-112-00-5 01-2120768921-45	Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314	>= 0,0025 - < 0,025

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2-methyl-2H-isothiazol-3-one	2682-20-4 220-239-6 01-2120764690-50	Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 M-Factor (Acute): 10 M-Factor (Chronic): 1 Acute Tox. 2; H330 Acute Tox. 3; H311 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 10	>= 0,0002 - < 0,0015
		M-Factor (Chronic): 1	
Substances with a workplace exposure limit :			
silicon dioxide	7631-86-9		>= 1 - < 10
	231-545-4		
	01-2119379499-16		

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : First aider needs to protect himself.

Move out of dangerous area.

If you feel unwell, seek medical advice (show the label where

possible).

Never give anything by mouth to an unconscious person.

If inhaled : Move to fresh air.

If symptoms persist, call a physician.

If unconscious, place in recovery position and seek medical

advice.

If breathing is irregular or stopped, administer artificial respira-

tion.

Call a physician.

In case of skin contact : Take off all contaminated clothing immediately.

In case of contact, immediately flush skin with soap and plenty

of water.

Do NOT use solvents or thinners.

In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

If eye irritation persists: Get medical advice/ attention.

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If swallowed If swallowed, DO NOT induce vomiting.

Clean mouth with water and drink afterwards plenty of water.

Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Unsuitable extinguishing

media

None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

In case of fire hazardous decomposition products may be

produced such as:

Carbon monoxide, carbon dioxide and unburned hydrocar-

bons (smoke).

Cool closed containers exposed to fire with water spray.

5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information In the event of fire and/or explosion do not breathe fumes.

Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition.

Ensure adequate ventilation.

When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Do not get in eyes, on skin, or on clothing.

6.2 Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Prevent further leakage or spillage if safe to do so.

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8., For further information see Section 7 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.

Avoid exceeding the given occupational exposure limits (see

section 8).

For personal protection see section 8. Non-sparking tools should be used.

Advice on protection against

fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours are heavier than air and may spread along floors. Vapours may form explosive

mixtures with air.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash

hands before eating, drinking, or smoking. Avoid contact with

the skin and the eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

: Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store between 5 and 25 °C in

a dry, well ventilated place away from sources of heat, ignition

and direct sunlight. Store in original container.

Storage class (TRGS 510) : 10, Combustible liquids

7.3 Specific end use(s)

Specific use(s) : Please follow the technical information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
naphtha (petrole- um), hydrotreated heavy	64742-48-9	AGW	1.500 mg/m3	DE TRGS 900

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Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
	3	AGW	600 mg/m3	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
silicon dioxide	7631-86-9	AGW (Inhalable fraction)	4 mg/m3 (Silica)	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Colloidal amorphous silica, including pyrogenic silica and in wet processes manufactured silica (precipitated silica, silicagel)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
2-octyl-2H- isothiazol-3-one	26530-20-1	AGW (Inhalable fraction)	0,05 mg/m3	DE TRGS 900
Peak-limit: excursion factor (category)	2;(I)			
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
1-isopropyl-2,2- dimethyltrimethylene diisobutyrate	Consumers	Ingestion	Long-term systemic effects	18,80 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	18,80 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	32,60 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
1-isopropyl-2,2-	Marine water	0,0014 mg/l
dimethyltrimethylene diisobutyr-		
ate		
	Sewage treatment plant	3 mg/l
	Marine sediment	0,529 mg/kg dry
		weight (d.w.)
	Secondary Poisoning	83,3 mg/kg food
	Fresh water	0,014 mg/l
	Soil	1,05 mg/kg dry
		weight (d.w.)
	Fresh water sediment	5,29 mg/kg dry
		weight (d.w.)

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8.2 Exposure controls

Personal protective equipment

Eye protection : German trade association rules - BGR 192 Eye protection

Goggles

Hand protection

Material : Nitrile rubber Glove thickness : 0,2 mm Protective index : Class 3

Remarks : Wear suitable gloves tested to EN374. Before removing

gloves clean them with soap and water. Gloves should be discarded and replaced if there is any indication of degrada-

tion or chemical breakthrough.

German trade association leaflet: Carry gloves (ZH 1/706)

Skin and body protection : Long sleeved clothing

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

During spray application: impervious clothing

Respiratory protection : Roller application or brushing: This product should not be

used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to

standard EN 14387) is used.

German trade association rules - BGR 190 Breathing protec-

tion

During spray application: Do not breathe spray dust. Use

A2/P2 combination filter for paint spraying.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : No data available

Odour : No data available

Odour Threshold : Not relevant

pH : not determined

Melting point/freezing point : not determined

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Boiling point/boiling range : not determined

Flash point : 61,5 °C

Evaporation rate : Not applicable

Upper explosion limit / Upper

flammability limit

not determined

Lower explosion limit / Lower

flammability limit

not determined

Vapour pressure : not determined

Relative vapour density : not determined

Relative density : not determined

Density : 0,9350 g/cm3

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

not determined

Auto-ignition temperature : not determined

Decomposition temperature : Not applicable

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : > 20,5 mm2/s (40 °C)

Explosive properties : Not applicable

Oxidizing properties : Not applicable

9.2 Other information

Flammability (liquids) : Sustains combustion

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous decomposition products formed under fire condi-

tions.

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Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.

Incompatible with acids and bases.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: Based on available data, the classification criteria

are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria

are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria

are not met.

Components:

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Acute oral toxicity : LD50 (Rat): > 500 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

2-octyl-2H-isothiazol-3-one:

Acute oral toxicity : LD50 (Rat, male): 318 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 0,58 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 311 mg/kg

Method: OECD Test Guideline 402

2-methyl-2H-isothiazol-3-one:

Acute oral toxicity : LD50 (Rat): 120 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,145 mg/l

according to Regulation (EC) No. 1907/2006

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Exposure time: 4 h

Test atmosphere: dust/mist

Remarks: see user defined free text

silicon dioxide:

Acute oral toxicity LD50 Oral (Rat): 10.000 mg/kg

Skin corrosion/irritation

Product:

Remarks May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product:

Remarks According to the classification criteria of the European Union,

the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks Repeated contact may cause allergic reactions in very sus-

ceptible persons.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Remarks: No data available Toxicity to fish

Toxicity to daphnia and other : Remarks: No data available

aquatic invertebrates

Components:

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

M-Factor (Acute aquatic tox- : 100

icity)

M-Factor (Chronic aquatic

toxicity)

10

2-octyl-2H-isothiazol-3-one:

M-Factor (Acute aquatic tox- : 10

icity)

M-Factor (Chronic aquatic

toxicity)

: 1

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2-methyl-2H-isothiazol-3-one:

M-Factor (Acute aquatic tox- : 1

icity)

M-Factor (Chronic aquatic : 1

toxicity)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

12.6 Other adverse effects

Product:

Additional ecological infor-

mation

Harmful to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : .

Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recy-

cling.

Waste Code : used product

080112, waste paint and varnish other than those mentioned

in 08 01 11*

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

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14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : see sections 6-8

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Conditions of restriction for the fol-

lowing entries should be considered:

REACH - List of substances subject to authorisation (Annex XIV)

None

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

I) Number on list 3

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet

fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Water contaminating class

(Germany)

2 significantly water endangering

Classification according to AwSV, Annex 1 (5.2)

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Product code for laquers and

paints / Giscode

: M-KH02F Solvent-based varnishes / wood glaze, aromatics

removed, active agents

: BSL40 Coating materials, strongly solvent-based, aromatic-

free, classified

Volatile organic compounds : Directive 2004/42/EC

< 40 % < 380 g/l

Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

EUH066 : Repeated exposure may cause skin dryness or cracking.

H301 : Toxic if swallowed. H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H311 : Toxic in contact with skin.

H314 : Causes severe skin burns and eye damage.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H330 : Fatal if inhaled. H331 : Toxic if inhaled.

H361d : Suspected of damaging the unborn child.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage
Repr. : Reproductive toxicity
Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.

DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EMS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemicals Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISC1 - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KEC1 - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the

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Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substances Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; VPVB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture: Classification procedure:

Aquatic Chronic 3 H412 Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN