

FeineFarben Essenz der Natur

Version	Revision Date:	SDS Number:	Date of last issue: 08.08.2024
2.2	05.11.2024	6024762	Date of first issue: 17.03.2021

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

1.1	Product identifier Trade name	:	FeineFarben Essenz der Natur
1.2	Relevant identified uses of th	e s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Water-borne coatings
	Recommended restrictions on use	:	within adequate application - none
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	Alpina Farben GmbH Roßdörfer Straße 50 64372 OBER RAMSTADT
	Telephone	:	+498001238887
	Telefax	:	+4961547170632
	Website E-mail address Responsi- ble/issuing person		www.alpina-farben.de msds@dr-rmi.com

1.4 Emergency telephone

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Additional Labeling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.



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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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Keep out of reach of children.

Wear safety goggles.

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Only completely emptied containers should be given for recycling.

Dispose of liquid material residues at the collection point for old paints/varnishes, dispose of dried material residues as construction and demolition waste or as municipal waste or household waste.

If the base paint or a wall paint is toned using a pigment paste or toning paste that does not conform to the requirements of the Blue Angel, the toned paint no longer complies with the criteria for the Blue Angel

For further technical information and advice for allergy sufferers, call +49 (0) 800/1238887.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

oomponento			-
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		· · ·
	Registration number		
titanium dioxide; [in powder form	13463-67-7	Carc. 2; H351	>= 10 - < 20
containing 1 % or more of parti-	236-675-5		
cles with aerodynamic diameter ≤	022-006-00-2		
10 µm]	01-2119489379-17		
Silicic acid, potassium salt	1312-76-1	Skin Irrit. 2; H315	>= 1 - < 10
	215-199-1	Eye Irrit. 2; H319	
	01-2119456888-17	STOT SE 3; H335	
		specific concentration	
		limit	
		Skin Irrit. 2; H315	
		>= 40 %	
		Eye Irrit. 2; H319	



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			>= 40 % STOT SE 3; H335 >= 75 %			
Subst	tances with a workpla	ce exposure limit :				
Talc ((Mg3H2(SiO3)4)	14807-96-6 238-877-9		>= 1 - < 10		
		01-212014027	/8-58			

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice :	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Move out of dangerous area. First aider needs to protect himself.
If inhaled :	Move to fresh air.
In case of skin contact :	Do NOT use solvents or thinners. In case of contact, immediately flush skin with soap and plenty of water.
In case of eye contact :	If eye irritation persists: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed :	Seek medical advice. Clean mouth with water and drink afterwards plenty of water. If swallowed, DO NOT induce vomiting.

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.



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				Do not use a solio fire.	d water stream as it may scatter and spread
Unsuitable extinguishing media		:	None known.		
5.2 Special hazards arising from		the	e substance or mi	xture	
	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).	
5.3	Advice	for firefighters			
	Special protective equipment for fire-fighters		:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-
	Further information		:	Standard procedu The product itself	ire for chemical fires. does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use protective shoes or boots with rough rubber sole. Material can create slippery conditions. Do not get in eyes, on skin, or on clothing.
6.2 Environmental precautions		
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.
6.3 Methods and material for con	ntai	nment and cleaning up
Methods for cleaning up	:	Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel,

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	For personal pr
		No special tech

For personal protection see section 8. No special technical protective measures required.

acid binder, universal binder, sawdust).



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			Please follow the	technical information.	
Hyg	Hygiene measures :		Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminat- ed clothing and protective equipment before entering eating areas.		
7.2 Con	ditions for safe storage,	incl	uding any incom	patibilities	
	quirements for storage as and containers	:	in heat or direct soriginal container	en. To maintain product quality, do not store sunlight. Store at room temperature in the Containers which are opened must be care- d kept upright to prevent leakage.	
Adv	Advice on common storage :		Keep away from oxidizing agents and strongly acid or al materials.		
Sto	rage class (TRGS 510)	:	12		
-	cific end use(s) ecific use(s)	:	This information i	s not available.	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
titanium dioxide; [in powder form con- taining 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	MAK (measured as the alveolate fraction)	0,3 mg/m3	DE DFG MAK	
	Peak-limit category: 8; II				
	Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK val can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			ch a MAK value	
		AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900	
	Peak-limit category: 2;(II)				
	Further information: When there is compliance with the OEL and biological				
	tolerance values, there is no risk of harming the unborn child				
		AGW (Alveolate fraction)	1,25 mg/m3 (Titanium dioxide)	DE TRGS 900	
	Peak-limit category: 2;(II)				



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				is compliance with the OEL and of harming the unborn child	nd biological	
		BM (Alveolar dust fraction)		0,5 mg/m3	DE TRGS 527	
	Talc 14807-96-6 (Mg3H2(SiO3)4)		AGW (Inhalable fraction)	10 mg/m3	DE TRGS 900	
		Peak-limit category: 2;(II)		·		
		Further inform	ation: When there	ere is compliance with the OEL and biological		
			lues, there is no risk of harming the unborn child			
			AGW (Alveolate fraction)	1,25 mg/m3	DE TRGS 900	
	Peak-limit category: 2;(II)			•		
		Further information: 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	Routes of expo- sure	Potential health ef- fects	Value
titanium dioxide; [in powder form contain- ing 1 % or more of particles with aerody- namic diameter ≤ 10 µm]	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m3
Kaolin, calcined	Workers	Inhalation	Acute systemic ef- fects	3,00 mg/m3
	Workers	Inhalation	Acute local effects	3,00 mg/m3
	Workers	Inhalation	Long-term systemic effects	3,00 mg/m3
	Workers	Inhalation	Long-term local ef- fects	3,00 mg/m3
Silicic acid, potassium salt	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m3
	Consumers	Ingestion	Long-term systemic effects	0,74 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	0,74 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
	Workers	Skin contact	Long-term systemic effects	1,49 mg/kg bw/day

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

Substance name	Environmental Compartment	Value	
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 µm]	Sewage treatment plant	100 mg/l	
	Fresh water	0,184 mg/l	



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		Soil		100 mg/kg dry weight (d.w.)	
		Sea water		0,0184 mg/l	
		Fresh water	sediment	1000 mg/kg dry weight (d.w.)	
		Sea sedimer	ht	100 mg/kg dry weight (d.w.)	
		Intermittent u	ise/release	0,193 mg/l	
Kaolir	n, calcined	Intermittent u	ise/release	25 mg/l	
		Fresh water		4,1 mg/l	
		Sea water		0,41 mg/l	
		Sewage trea	tment plant	1400 mg/l	
Silicio	acid, potassium salt	Sea water	Sea water		
		Intermittent u	ise/release	7,5 mg/l	
		Fresh water		7,5 mg/l	
		Sewage trea	tment plant	348 mg/l	

8.2 Exposure controls

Personal protective equipmen	t
Eye/face protection :	not required Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
	DGUV Regulation 112-192 - Use of eye and face protection
Glove thickness :	Nitrile rubber 0,2 mm Class 3
Remarks :	Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374. DGUV Regulation 112-195 - Use of protective gloves
Skin and body protection :	Safety shoes Long sleeved clothing
	Choose body protection according to the amount and con- centration of the dangerous substance at the work place.
	Skin should be washed after contact.
Respiratory protection :	No personal respiratory protective equipment normally re- quired.
	When spraying, use face mask with particle filter P2 against spray dust.
	DGUV Regulation 112-190 - Use of breathing equipment



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state		liquid
Color	:	blue
Odor	:	No data available
Melting point/freezing point	:	ca. 0 °C
Boiling point/boiling range	:	ca. 100 °C
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	Not applicable
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
рН	:	11,4 Concentration: 100 %
Viscosity Viscosity, dynamic	:	No data available
Solubility(ies) Water solubility	:	completely miscible
Partition coefficient: n- octanol/water	:	not determined



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Vapor pressure		: ca. 23,4 hPa (2	20 °C)
Density		: 1,4200 g/cm3	
Relat	ive vapor density	: not determined	1
9.2 Other information Explosives		: Not applicable	
Oxidi	zing properties	: Not applicable	
Flam	Flammability (liquids)		not flammable.

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	:	No decomposition if stored and applied as directed.

10.4 Conditions to avoid

:	Protect from frost, heat and sunlight.
:	Incompatible with acids and bases. Incompatible with oxidizing agents.
	:

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.



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Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks

: Based on OECD test 431 this product is not classified as skin corrosive/skin irritant. Information given is based on tests on products of similar composition.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Not classified based on available information.

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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SECTION 12: Ecological information

12.1 Toxicity

No data available

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 Endocrine disrupting properties

Product:

Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation
		(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at
		levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods		
Product		Dispose of liquid material residues at the collection point for old paints/varnishes, dispose of dried material residues as construction and demolition waste or as municipal waste or household waste.
		Waste should not be disposed of via wastewater.
Contaminated packaging	:	Only completely emptied containers should be given for recy- cling.



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Waste Code		•	used product 080112, waste paint and varnish other than those mentioned in 08 01 11*	
SECTION	14: Transport info	rmation		
14.1 UN nu	umber or ID number			
ADN		: Not regulate	d as a dangerous good	
ADR		: Not regulate	d as a dangerous good	
RID		: Not regulate	d as a dangerous good	
IMDG		: Not regulate	d as a dangerous good	
ΙΑΤΑ		: Not regulate	d as a dangerous good	
14.2 UN pr	oper shipping name			
ADN		: Not regulate	d as a dangerous good	
ADR		: Not regulate	d as a dangerous good	
RID		: Not regulate	d as a dangerous good	
IMDG		: Not regulate	Not regulated as a dangerous good	
ΙΑΤΑ		: Not regulate	d as a dangerous good	
14.3 Trans	port hazard class(es)		
ADN		: Not regulate	d as a dangerous good	
ADR		: Not regulate	d as a dangerous good	
RID		: Not regulate	d as a dangerous good	
IMDG		: Not regulate	d as a dangerous good	
ΙΑΤΑ		: Not regulate	d as a dangerous good	
14.4 Packi	ng group			
ADN		: Not regulate	d as a dangerous good	
ADR		-	d as a dangerous good	
RID		-	d as a dangerous good	
IMDG		-	d as a dangerous good	
ΙΑΤΑ	(Cargo)	: Not regulate	d as a dangerous good	
ΙΑΤΑ	(Passenger)	: Not regulate	d as a dangerous good	
14.5 Environmental hazards Not regulated as a dangerous good				
	al precautions for us	-		
Rema	rks	: Not classifie	d as dangerous in the meaning of transport regu-	



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lations.

14.7 Maritime transport in bulk according to IMO instruments

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 - Restrictions on the manufacture the market and use of certain dangerous s mixtures and articles (Annex XVII)		Conditions of restriction for the fol- lowing entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your ven- dor.		
REACH - Candidate List of Substances of Concern for Authorization (Article 59).	Very High :	None		
Regulation (EC) on substances that deplet layer	te the ozone :	Not applicable		
Regulation (EU) 2019/1021 on persistent of tants (recast)	organic pollu- :	Not applicable		
REACH - List of substances subject to authorisation : None (Annex XIV)				
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.				
	slightly water end cation according to	angering o AwSV, Annex 1 (5.2)		
. : BSW10 content	Coating materials	, water-based, low preservative		
emissio	ns (integrated poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: < 0,01 %		
Volatile organic compounds : Directiv < 0.1 % < 1 g/l	e 2004/42/EC			



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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 mixture.

SECTION 16: Other information

Full text of H-Statements	-	Causes skin irritation.
H319 : H335 :		Causes serious eye irritation. May cause respiratory irritation.
H351		Suspected of causing cancer if inhaled.
Full text of other abbreviation	S	
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
STOT SE :	:	Specific target organ toxicity - single exposure
DE DFG MAK :		Germany. MAK BAT Annex IIa
DE TRGS 527		Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK	:	MAK value
	:	Assessment scale
DE TRGS 900 / AGW	:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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 Code for the Construction and Equipment of Ships in carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Maritime Organization; IECC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Convention for the 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 Chemcal Substances; (Q)SAR

Further information

Other information

: No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC. Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

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	es of key data used to le the Material Safety Sheet	gienists). 2014 T for chemical sub- Exposure Indices 2014 ACGIH, Cir NIOSH - Registr ECDIN - Environ work - Joint Rese Communities SAX'S - Dangero GESTIS - Databa Arbeitsschutz de (IFA, Institute for man Social Accie	y of toxic effects of chemical substances mental Chemicals Data and Information Net- earch Centre, Commission of the European ous properties of industrial materials ase on hazardous substances - Institut für r Deutschen Gesetzlichen Unfallversicherung Occupational Safety and Health of the Ger-

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.

DE / EN