

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended

Cocamidopropyl Betaine

Version 3.0

Print Date 2026/04/22

Revision date / valid from 2026/04/22

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

1.1. Product identifier

Trade name : Cocamidopropyl Betaine

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

Use of the : Consumer use, Professional use, Industrial use, Wide Substance/Mixture dispersive use, Amphoteric surfactants

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Fizzywhiz
23 Maritime Enterprise Park , Atlas Rd , Bootle, L20 4DY.
Telephone : +44 (0)1519220041
E-mail address : info@fizzywhiz.com

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number
+44 01519220041

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation S.I. 2019/720 (GB CLP)

Regulation S.I. 2019/720 (GB CLP)			
Hazard class	Hazard category	Target Organs	Hazard statements
Serious eye damage	Category 1	---	H318
Long-term (chronic) aquatic hazard	Category 3	---	H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

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Most important adverse effects

Human Health :
Physical and chemical hazards : See section 9/10 for physicochemical information.
Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation S.I. 2019/720 (GB CLP)



Hazard symbols :
Signal word : Danger
Hazard statements : H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
Prevention : P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
Response : P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
Disposal : P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

2.3. Other hazards

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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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

		Classification (REGULATION (EC) No 1272/2008)	
Hazardous components	Amount [%]	Hazard class / Hazard category	Hazard statements
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts			
EC-No. : 931-296-8 xxx Aquatic Chronic3	36 H412	Eye Dam.1	H318 EU REACH- : 01-2119488533-30-
Reg. No.			specific concentration limit Eye Dam. 1; H318 > 10 % Eye Irrit. 2; H319 > 4 - 10 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Take off all contaminated clothing immediately. Vomiting: prevent asphyxia/aspiration pneumonia.
If inhaled	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with plenty of water. Do not apply neutralizing agents. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Do not apply neutralizing agents. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

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If swallowed : Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Protection of First Aid Responders : First Aid responders should pay attention to self-protection and use the recommended protective clothing.

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

Symptoms : May cause skin irritation/eczema.; See Section 11 for more detailed information on health effects and symptoms.;

Effects : Causes serious eye damage. See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon dioxide (CO₂),

Sand Unsuitable extinguishing jet media : High volume water

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Incomplete combustion may form toxic pyrolysis products.

Hazardous combustion products : Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Keep people away from and upwind of spill/leak. Do not inhale explosion and combustion gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Keep away unprotected

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persons. Ensure adequate ventilation. Avoid contact with skin and eyes. Danger of slipping if spilled

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3. Methods and materials for containment and cleaning up

Methods and materials for : Contain spillage, soak up with non-combustible absorbent
containment and cleaning material, (e.g. sand, earth, diatomaceous earth, vermiculite)
up and transfer to a container for disposal according to local /
national regulations (see section 13).

Further information : Treat recovered material as described in the section "Disposal
considerations".

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Handle in accordance with good industrial hygiene and safety practice.
- Hygiene measures : Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

- Requirements for storage : Store in original container. Protect from frost. Keep away from areas and containers direct sunlight.
- Advice on protection and explosion : Normal measures for preventive fire protection. against fire
- Further information on conditions : Keep tightly closed in a dry and cool place. storage
- Advice on common storage : Keep away from food, drink and animal feeding stuffs.

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- Suitable packaging materials : Plastics

7.3. Specific end use(s)

- Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

(Additional) : Contains no substances with occupational exposure limit values.
Information

Component: 1-Propanaminium, 3-amino-N-
(carboxymethyl)-N,N-dimethyl-, N-C818(even
numbered) acyl derivs.,hydroxides, inner salts

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL

Workers, Long -term - systemic effects, Skin contact : 12.5 mg/kg bw/day

DNEL

Workers, Long -term - systemic effects, Inhalation : 44 mg/m3

DNEL

Consumers, Long -term - systemic effects, Skin contact : 7.5 mg/kg bw/day

DNEL

Consumers, Long -term - systemic effects, Ingestion : 7.5 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Fresh water : 0.0135 mg/l

Marine water : 0.00135 mg/l

Sewage treatment plant (STP) : 3000 mg/l

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

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Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL).
Equipment should conform to EN 14387

Hand protection

Advice : Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Protective gloves should be replaced at first signs of wear.

Material : Nitrile rubber
Glove thickness : 0.38 mm

Eye protection

Advice : Safety glasses with side-shields conforming to EN166

Skin and body protection

Protecting Clothes : Wear personal protective equipment.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : liquid
Physical state : liquid
Colour : yellow
Odour : characteristic Odour
Threshold : No data available

Freezing point : No data available

Boiling point/boiling range : similar to water

Flammability : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : No data available

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Auto -ignition temperature	:	No data available
Decomposition temperature	:	208 °C
	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	ca. 5
pH	:	ca. 50 mPa.s (20 °C) Method:
Viscosity	:	Brookfield ca. 47.17
Viscosity, dynamic	:	mm2/s No data
Viscosity, kinematic	:	available
Flow time	:	soluble
Solubility(ies) Water	:	No data available
solubility	:	No data available
Solubility in other solvents	:	No data available
Dissolution Rate	:	No data available
Partition coefficient: noctanol/water	:	No data available
Dispersion Stability	:	similar to water
	:	No data available
Vapour pressure	:	1.06 g/cm3 (20 °C)
Relative density	:	No data available
Density	:	similar to water
Bulk density	:	
	:	no explosive properties predicted from the structure
Relative vapour density	:	No oxidising properties

9.2 Other information

Explosives

Oxidizing properties

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : Reacts with the following substances:
strong acids

10.2. Chemical stability

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Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4. Conditions to avoid

Thermal decomposition : 208 °C

10.5. Incompatible materials

Materials to avoid : Substances and mixtures which may react violently with water,
Strong acids

10.6. Hazardous decomposition products

Hazardous decomposition : Toxic gases/vapors, Nitrogen oxides (NOx) products

SECTION 11: Toxicological information

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

Data for the product

Acute toxicity

Oral

No data available

Inhalation

No data available

Dermal

No data available

Irritation

Skin

No data available

Eyes

Result : Causes serious eye damage.

Sensitisation

No data available

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CMR effects	
CMR Properties	
Carcinogenicity	: No data available
Mutagenicity	: No data available
Reproductive toxicity	: No data available
Specific Target Organ Toxicity	
Single exposure	
No data available	
Repeated exposure	
No data available	
Other toxic properties	
Repeated dose toxicity	
No data available	
Aspiration hazard	
No data available	
Component:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts
Acute toxicity	
Oral	
LD50	: > 8000 mg/kg (Rat, male and female) (OECD Test Guideline 401)Information given is based on data obtained from similar substances.
Inhalation	
No data available	
Dermal	
No data available	
No data available	

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No data available

Irritation

Skin

Result : No data available

Eyes

Result : Irreversible damage. (Rabbit) (OECD Test Guideline 405) Information given is based on data obtained from similar substances.

Sensitisation

Result : not sensitizing (Maximisation Test; Guinea pig) (OECD Test Guideline 406) Information given is based on data obtained from similar substances.

CMR effects

CMR Properties

Carcinogenicity : No data available

Reproductive toxicity : No data available

Genotoxicity in vitro

Result : negative (Ames test; Salmonella typhimurium; with and without metabolic activation) negative (In vitro gene mutation study in mammalian cells; Mouse Lymphoma Cells; with and without metabolic activation) (OECD Test Guideline 476)

Specific Target Organ Toxicity

Single exposure

Remarks : No data available

Repeated exposure

Remarks : No data available

Other toxic properties

Repeated dose toxicity

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NOEL : 300 mg/kg

(Rat, male and female)(Oral; 90 d) (OECD Test Guideline 408)

Aspiration hazard

No aspiration toxicity classification,

11.2. Information on other hazards

Data for the product

Endocrine disrupting properties

Assessment : The substance/mixture does not contain components
Endocrine Disrupting considered to have endocrine disrupting properties according
Properties 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.

Component: 1-Propanaminium, 3-amino-N-
(carboxymethyl)-N,N-dimethyl-, N-C818(even
numbered) acyl derivs.,hydroxides, inner salts

Endocrine disrupting properties

Assessment : No information available about endocrine disruption properties Endocrine
Disrupting for human health.
Properties

SECTION 12: Ecological information

12.1. Toxicity

Data for the product

Chronic toxicity

Long-term (chronic) aquatic hazard

Result : Harmful to aquatic life with long lasting effects.

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Component: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts

12.2.

Acute toxicity

Fish	
LC50	: 1.11 mg/l (Calamus penna (Sheepshead porgy); 96 h) (semi-static test; OECD Test Guideline 203)Information given is based on data obtained from similar substances.
Toxicity to daphnia and other aquatic invertebrates	
EC50	: 6.5 mg/l (Daphnia (water flea); 48 h) (static test; OECD Test Guideline 202)
algae	
EC50	: 1.5 mg/l (Desmodesmus subspicatus (green algae); 72 h) (DIN 38412)Information given is based on data obtained from similar substances.
Bacteria	
EC0	: > 3000 mg/l (Bacteria) (calculated)
Chronic toxicity	
Aquatic invertebrates	
NOEC	0.32 mg/l (Daphnia magna (Water flea); 21 d) (OECD Test Guideline 211)Information given is based on data obtained from similar substances.
LOEC	0.56 mg/l (Daphnia magna (Water flea); 21 d) (OECD Test Guideline 211)Information given is based on data obtained from similar substances.
Persistence and degradability	
Component:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts

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Persistence and degradability

12.3.	Persistence	
	Result	: No data available
	Biodegradability	
	Result	: 92 % (aerobic; Exposure Time: 28 d)(OECD Test Guideline 301B)Readily biodegradable.
	Result	: 80 - 90 % (anaerobic; Exposure Time: 60 d)(OECD Test Guideline 311)
12.4.	Bioaccumulative potential	
	Component:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts
	Bioaccumulation	
	Result	: No data available
	Mobility in soil	
12.5.	Component:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts
	Mobility	
		: No data available
	Results of PBT and vPvB assessment	
	Data for the product	
	Results of PBT and vPvB assessment	
	Result	: 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.
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12.6. Component: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts

Results of PBT and vPvB assessment

Result : No data available

Endocrine disrupting properties

Data for the product

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

Component: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts

Assessment : No information available about endocrine disruption properties for Endocrine Disrupting environment. Properties

Other adverse effects

Data for the product

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

Component: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C818(even numbered) acyl derivs.,hydroxides, inner salts

Chemical Oxygen Demand (COD)

Result : 1000000 mg/g (DIN 38409)

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product	: Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services. This product shall be disposed of or recovered in compliance with Directive 2008/98/EC on waste as lastly amended. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Contaminated packaging	: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.
European Waste Catalogue Number	: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number or ID number

II Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

Cocamidopropyl Betaine**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Data for the product**

Other regulations : SDS updated according to Regulation (EU) 2020/878

Component: 1-Propanaminium, 3-amino-N-
(carboxymethyl)-N,N-dimethyl-, N-C818(even
numbered) acyl derivs.,hydroxides, inner salts

EU. Directive : ; The substance/mixture does not fall under this legislation.
2012/18/EU on major
accident hazards
involving dangerous
substances, Annex I, as amended

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms

AU AIICL	Australia. Industrial Chemicals Act (AIIC) List
BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
DSL	Canada. Environmental Protection Act, Domestic Substances List
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances

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ENCS (JP)	Japan. Kashin-Hou Law List
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IECSC	China. Inventory of Existing Chemical Substances
INSQ	Mexico. National Inventory of Chemical Substances
ISHL (JP)	Japan. Inventory of Industrial Safety & Health
KECI (KR)	Korea. Existing Chemicals Inventory
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NDSL	Canada. Environmental Protection Act. Non-Domestic Substances List
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
NZIOC	New Zealand. Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
ONT INV	Canada. Ontario Inventory List
PBT	persistent, bioaccumulative and toxic
PHARM (JP)	Japan. Pharmacopoeia Listing
PICCS (PH)	Philippines. Inventory of Chemicals and Chemical Substances
PNEC	predicted no-effect concentration
REACH Auth. No.:	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
UK REACH Auth. No.:	UK REACH Authorisation Number
UK REACH AuthAppC. UK REACH Auth. No.:	UK REACH Authorisation Application Consultation Number
UK REACH-Reg.No	UK REACH Registration Number
STOT	specific target organ toxicity
SPM	Synthetic Polymer Microparticles
SVHC	substance of very high concern
TCSI	Taiwan. Existing Chemicals Inventory
TH INV	Thailand. Existing Chemicals Inventory from FDA
TSCA	US. Toxic Substances Control Act
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VN INVL	Vietnam. National Chemical Inventory
vPvB	very persistent and very bioaccumulative

Further information

Key literature references : Supplier information and data from the "Database of registered and sources for data substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.