# **Safety Data Sheet ULTRABOND G-21 PART A**

Safety Data Sheet dated: 08/30/2023 - version 6

Date of first edition: 05/16/2017



## 1. Identification

## **Product identifier**

Mixture identification:

Trade name: ULTRABOND G-21 PART A

Trade code: 9024847

Recommended use and restrictions on use

Recommended use: Epoxy resins Restrictions on use: Not available

Supplier's details

Company: MAPEI INC. (Canada)

2900 Francis-Hughes Avenue H7L 3J5 - Laval - QC - CAN

Phone: 1-450-662-1212

Responsible: RDProductSafety@mapei.com

**Emergency phone number** 

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. Hazard identification





## Classification of the product

Causes skin irritation. Skin irritation, Category 2

Skin Sensitization, Category 1B May cause an allergic skin reaction.

Reproductive toxicity, Category 2 Suspected of damaging fertility or the unborn child if inhaled, in

contact with skin and if swallowed.

Acute (short-term) aquatic hazard - Category 3 Harmful to aquatic life

Chronic (long-term) aquatic hazard - Category 3 Harmful to aquatic life with long lasting effects.

Label elements

#### Hazard pictograms and Signal Word



## **Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child if inhaled, in contact with skin and if swallowed.

H402 Harmful to aquatic life

H412 Harmful to aquatic life with long lasting effects.

## **Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist/vapours/spray. P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see supplementary instructions on this label)
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with applicable regulations.

#### Other hazards

None

### Ingredient(s) with unknown acute toxicity

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

# 3. Composition/information on ingredients

#### **Substances**

Not Relevant

#### **Mixtures**

Hazardous components within the meaning of WHMIS 2015 and related classification:

#### List of components

Qty	Name	Ident. Numb.	Classification	Registration Number
5-10 %	bis-[4-(2,3-epoxipropoxi)phenyl]propane	CAS:1675-54-3, 25085-99-8, 25068-38-6 EC:216-823-5 Index:603-073- 00-2	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319; Aquatic Chronic 2, H411; Aquatic Acute 2, H401	
2.5-5 %	alkyl epoxy resin; Oxirane, mono((C12-14-alkyloxy)methyl) derivatives	CAS:68609-97-2 EC:271-846-8 Index:603-103- 00-4	2 Skin Irrit. 2, H315; Skin Sens. 1, H317	
1-2.5 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	' STOT RE 1, H372; Carc. 1A, H350	
0.49-1 %	4-nonylphenol, branched; Isononylphenol	CAS:84852-15-3 EC:284-325-5 Index:601-053- 00-8		

The actual concentration of the components listed above is withheld as a trade secret.

## 4. First-aid measures

# Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

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

If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

## Most important symptoms/effects, acute and delayed

Eye irritation Eye damages

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Ervthema

## Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

## 5. Fire-fighting measures

#### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Unsuitable extinguishing media:

None in particular.

#### Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not Relevant Oxidizing properties: Not Relevant

## Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

## Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

## 7. Handling and storage

### **Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Wash skin thoroughly after handling.

See also section 8 for recommended protective equipment.

#### Conditions for safe storage, including any incompatibilities

Data not available.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

# 8. Exposure controls/personal protection

# **Control parameters**

**Community Occupational Exposure Limits (OEL)** 

OEL Country Occupational Exposure Limit Type

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silica sand; quartz CAS: 14808-60-7 ACGIH Long Term: 0.025 mg/m3

A2 - Suspected Human Carcinogen; lung cancer; pulmonary fibrosis;

ACGIH Long Term: 0.025 mg/m3

A2 - Suspected Human Carcinogen; lung cancer; pulmonary fibrosis

MAK AUSTRIA Long Term: 0.15 mg/m3 MAK SWITZERLAN Long Term: 0.15 mg/m3

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## **Appropriate engineering controls**

Not available

## Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105: Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min. Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min. Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min. Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

#### 9. Physical and chemical properties

## Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: paste Beige

Odour: Characteristic

Odour threshold: Not Relevant

pH: Not Relevant

Melting point / freezing point: Not Relevant Initial boiling point and boiling range: Not Relevant Flash point: 94 °C (201 °F) ( Closed Cup ) Evaporation rate: Not Relevant <1.0

. Upper/lower flammability or explosive limits: Not Relevant

Vapour density: >1.0

Vapour pressure: Not Relevant >1.0 Relative density: 1.43 g/cm3 Solubility in water: Insoluble Solubility in oil: Not Relevant

Partition coefficient (n-octanol/water): Not Relevant

Auto-ignition temperature: Not Relevant Decomposition temperature: Not Relevant

Viscosity: Not Relevant

Explosive properties: Not Relevant Oxidizing properties: Not Relevant Solid/gas flammability: Not Relevant

#### Other information

Substance Groups relevant properties Not Relevant

Miscibility: Not Relevant
Fat Solubility: Not Relevant
Conductivity: Not Relevant

# 10. Stability and reactivity

## Reactivity

No data available

## **Chemical stability**

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Data not available.

#### Possibility of hazardous reactions

None.

#### Conditions to avoid

No data available

### **Incompatible materials**

Data not available.

## **Hazardous decomposition products**

Data not available.

#### 11. Toxicological information

## Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

#### **Toxicological Information of the Preparation**

a) acute toxicity Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation The product is classified: Skin irritation, Category 2(H315)

c) serious eye damage/irritation Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation The product is classified: Skin Sensitization, Category 1B(H317)

e) germ cell mutagenicity Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity The product is classified: Reproductive toxicity, Category 2(H361)

h) STOT-single exposure Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard Not classified

Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

bis-[4-(2,3-

epoxipropoxi)phenyl] propane

derivatives

a) acute toxicity

LD50 Skin Rabbit = 20 mg/kg

LD50 Oral Rat =  $11300 \mu L/kg$ 

alkyl epoxy resin;

Oxirane, mono((C12-14-alkyloxy)methyl)

a) acute toxicity

LD50 Skin Rabbit > 3987 mg/kg

LD50 Oral Rat = 17100 mg/kg

silica sand; quartz a) acute toxicity LD50 Oral Rat = 500 mg/kg

4-nonylphenol, branched; a) acute toxicity

Isononylphenol

LD50 Oral Rat 1300 mg/kg

LD50 Skin Rabbit > 2000 mg/kg LD50 Skin Rabbit = 2000 mg/kg LD50 Oral Rat = 1300 mg/kg

## Substance(s) listed on the IARC Monographs:

bis-[4-(2,3- Group 3 epoxipropoxi)phenyl]propane

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silica sand; quartz Group 1

#### Substance(s) listed as OSHA Carcinogen(s):

silica sand; quartz

## Substance(s) listed as NIOSH Carcinogen(s):

silica sand; quartz

#### Substance(s) listed on the NTP report on Carcinogens:

silica sand; quartz

#### 12. Ecological information

#### **Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

#### List of Eco-Toxicological properties of the product

The product is classified: Acute (short-term) aquatic hazard - Category 3(H402), Chronic (long-term) aquatic hazard - Category 3(H412)

## List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
bis-[4-(2,3-	CAS: 1675-54-3	, a) Aquatic acute toxicity: LC50 Fish = 2 mg/L 96h

25085-99-8, epoxipropoxi)phenyl]propane 25068-38-6 -EINECS: 216-

823-5 - INDEX: 603-073-00-2

a) Aquatic acute toxicity: EC50 Daphnia = 1.8 mg/L 48h

silica sand; quartz CAS: 14808-60- a) Aquatic acute toxicity: LC50 carp > 10000 mg/L 72h

7 - EINECS: 238-878-4

4-nonylphenol, branched;

Isononylphenol

3 - EINECS:

CAS: 84852-15- LC50 Fish Pimephales promelas 0.135 mg/L 96h ,,Holcombe, G.W., Phipps, G.L., Knuth, M.L. and Felhaber, T. (1984) Environ. Pollut. (Series A) 35, 367-

284-325-5 -

INDEX: 601-053-00-8

LC100 Fish Leuciscus idus 1.1 mg/L 48h ,,Huels study, 1988 (unpublished)

LC50 Fish Leuciscus idus 0.95 mg/L 48h ,,Huels study, 1988 (unpublished)

LOEC Fish Pimephales promelas 14 µg/L 33d ,,Chemical Manufacturers Association (1991) Two environmental effects 4-Nonylphenol final reports 1. Chronic toxicity of Nonviphenol to the Mysid, Mysidopsis bahia: EnviroSystems Study Number 8977-CMA 2. Early life stage toxicity of Nonylphenol to the fath

NOEC Fish Pimephales promelas 7.4  $\mu$ g/L 33d ,,Chemical Manufacturers Association (1991) Two environmental effects 4-Nonylphenol final reports 1. Chronic toxicity of Nonylphenol to the Mysid, Mysidopsis bahia: EnviroSystems Study Number 8977-CMA 2. Early life stage toxicity of Nonylphenol to the fath

EC100 Daphnia Daphnia magna > 400 μg/L 48h ,,Huels report No. DK-522, 1992 (unpublished)

ECO Daphnia Daphnia magna < 100 μg/L 48h ,,Huels report No. DK-522, 1992 (unpublished)

EC50 Daphnia Daphnia magna 140 µg/L 48h ,,Huels report No. DK-522, 1992 (unpublished)

LOEC Daphnia Daphnia magna > 100 µg/L 21d ,,Huels report No. DL-143, 1992 (unpublished)

NOEC Daphnia Daphnia magna 0.024 mg/L 21d ICI PLC (1991) Nonyl Phenol: Chronic Toxicity to Daphnia Magna Report No: BLS1319/B (Interim) BL4176/B (Final)

EC90 Algae Scenedesmus subspicatus (Desmodesmus subspicatus) 3.2 mg/L 72h Huels study (unpublished)

EC10 Algae Scenedesmus subspicatus (Desmodesmus subspicatus) 0.5 mg/L 72h Huels study (unpublished)

EC50 Algae Scenedesmus subspicatus (Desmodesmus subspicatus) 1.3 mg/L

Print date 08/30/2023 **Production Name ULTRABOND G-21 PART A** Page n. 6 of 10 72h Huels study (unpublished)

a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 0.135 mg/L 96h TUCL ID

a) Aquatic acute toxicity: LC50 Fish Lepomis macrochirus = 0.1351 mg/L 96h

a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 0.14 mg/L 48h IUCLID

a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata  $0.36 \, \text{mg/L} \, 96 \text{h} \, \text{EPA}$ 

a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata  $0.16\,$  mg/L  $72h\,$  EPA

a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 1.3 mg/L 72h IUCLID

## Persistence and degradability

N.A.

## **Bioaccumulative potential**

N.A.

## Mobility in soil

N.A.

#### Other adverse effects

N.A.

## 13. Disposal considerations

#### Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

#### Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

## Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

#### Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

## 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

## **UN** number

TDG-UN number: Not Applicable ADR-UN number: Not Applicable DOT-UN Number: Not Applicable IATA-Un number: Not Applicable IMDG-Un number: Not Applicable

## **UN proper shipping name**

TDG-Shipping Name: Not Applicable
ADR-Shipping Name: Not Applicable
DOT-Proper Shipping Name: Not Applicable
IATA-Technical name: Not Applicable
IMDG-Technical name: Not Applicable

# Transport hazard class(es)

TDG-Class: Not Applicable

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ADR-Class: Not Applicable DOT-Hazard Class: Not Applicable IATA-Class: Not Applicable IMDG-Class: Not Applicable

#### Packing group

TDG-Packing Group: Not Applicable ADR-Packing Group: Not Applicable DOT Packing Group: Not Applicable IATA-Packing group: Not Applicable IMDG-Packing group: Not Applicable

#### **Environmental hazards**

Marine pollutant: No

Environmental Pollutant: Not Applicable

DOT-RQ: No

## Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not Applicable

## Special precautions in connection with transport or conveyance

TDG:

Not Applicable

Department of Transportation (DOT):

Not Applicable

Road and Rail (ADR-RID):

Not Applicable

Air (IATA):

Not Applicable

Sea (IMDG):

Not Applicable

#### 15. Regulatory information

## **Canada - Federal regulations**

## **DSL - Domestic Substances List**

All the substances are listed in the DSL.

## **NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

# **NPRI - National Pollutant Release Inventory**

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

#### **USA - Federal regulations**

#### **TSCA - Toxic Substances Control Act**

All the components are listed on the TSCA inventory

**TSCA listed substances:** 

bis-[4-(2,3- is listed in TSCA Section 8b

epoxipropoxi)phenyl]propane

alkyl epoxy resin; Oxirane, is listed in TSCA Section 8b

mono((C12-14-alkyloxy)methyl)

derivatives

silica sand; guartz is listed in TSCA Section 8b

4-nonylphenol, branched; is listed in TSCA Section 8b Section 8a - PAIR Section 5a -

Isononylphenol SNUR Section 12b

# **SARA - Superfund Amendments and Reauthorization Act**

# **Section 302 - Extremely Hazardous Substances:**

No substances listed

## Section 304 - Hazardous substances:

No substances listed

# Section 313 - Toxic chemical list:

4-nonylphenol, branched; Isononylphenol

# CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act Substance(s) listed under CERCLA:

No substances listed

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#### CAA - Clean Air Act

#### **CAA listed substances:**

No substances listed

#### **CWA - Clean Water Act**

**CWA listed substances:** 

No substances listed

## **USA - State specific regulations**

#### **California Proposition 65**

## Substance(s) listed under California Proposition 65:

silica sand; quartz Listed as carcinogen

## Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

silica sand; quartz

## Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

silica sand; quartz

## New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

silica sand; quartz

#### 16. Other information

Code

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Description

Code	Description		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H350	May cause cancer.		
H361	Suspected of damaging fertility or the unborn child.		
H372	Causes damage to organs through prolonged or repeated exposure.		
H400	Very toxic to aquatic life.		
H401	Toxic to aquatic life		
H410	Very toxic to aquatic life with long lasting effects.		
H411	Toxic to aquatic life with long lasting effects.		
Code	Hazard class and hazard category Description		

Code	Hazard class and hazard category	Description
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.3/1	Eye Dam. 1	Serious eye damage, Category 1
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.7/2	Repr. 2	Reproductive toxicity, Category 2
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
CAN-HAE/A1	Aquatic Acute 1	Acute (short-term) aquatic hazard - Category 1

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CAN-HAE/A2 Aquatic Acute 2 Acute (short-term) aquatic hazard - Category 2
CAN-HAE/C1 Aquatic Chronic 1 Chronic (long-term) aquatic hazard - Category 1
CAN-HAE/C2 Aquatic Chronic 2 Chronic (long-term) aquatic hazard - Category 2

## Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

 ${\sf GefStoffVO:}\ \ {\sf Ordinance}\ \ {\sf on}\ \ {\sf Hazardous}\ \ {\sf Substances},\ {\sf Germany}.$ 

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population. DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit. STOT: Specific Target Organ Toxicity. WGK: German Water Hazard Class.

KSt: Explosion coefficient.

#### Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 5. FIRE-FIGHTING MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

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