# Safety Data Sheet ULTRABOND G-21 PART A

Safety Data Sheet dated: 06/16/2021 - version 7

Date of first edition: 05/12/2015



#### 1. IDENTIFICATION

#### **Product identifier**

Mixture identification:

Trade name: ULTRABOND G-21 PART A

Trade code: 2111

Recommended use of the chemical and restrictions on use

Recommended use: Epoxy resins

Restrictions on use: N.A.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico) 1144 East Newport Center Drive 33442 - Deerfield Beach - FL - USA

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:** 

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

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

# 2. HAZARD(S) IDENTIFICATION





#### Classification of the chemical

Skin Irrit. 2 Causes skin irritation.

Eye Irrit. 2A Causes serious eye irritation.

Skin Sens. 1A May cause an allergic skin reaction.

Muta. 2 Suspected of causing genetic defects if inhaled, in contact with skin and if swallowed.

Repr. 2 Suspected of damaging fertility. Suspected of damaging the unborn child.

Aquatic Acute 3 Harmful to aquatic life.

Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

**Label elements** 

# **Pictograms and Signal Words**



#### Warning

#### **Hazard statements:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects if inhaled, in contact with skin and if swallowed.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

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.

P261 Avoid breathing dust or mist.

P264 Wash skin thoroughly after handling.

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

P273 Avoid release to the environment.

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 1 of 9

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see supplementary instructions on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: 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.

#### Ingredient(s) with unknown acute toxicity:

None

# Hazards not otherwise classified identified during the classification process:

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

N.A.

# Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

#### List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
5-10 %	Bisphenol A epoxy resin	CAS:25085-99-8	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	
2.5-5 %	Alkyl epoxy resin	CAS:68609-97-2	Skin Irrit. 2, H315; Skin Sens. 1, H317	
1-2.5 %	Silica Sand	CAS:14808-60-7	STOT RE 1, H372; Carc. 1A, H350	
0.49-1 %	4-NONYLPHENOL, BRANCHED	CAS:84852-15-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Repr. 2, H361	

#### 4. FIRST AID MEASURES

#### **Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Obtain medical attention if skin related symptoms persist.

Remove contaminated clothing immediately and dispose of safely.

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

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

Skin Irritation

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 2 of 9

#### Indication of any immediate medical attention and special treatment needed

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

#### **Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

# Unsuitable extinguishing media:

None in particular.

#### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke. Hazardous combustion products: N.A.

Explosive properties: N.A. Oxidizing properties: N.A.

## 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.

See also section 8 for recommended protective equipment.

# Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# **Control parameters**

Date

#### List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour Note	
Silica Sand	ACGIH			0,025				A2 - Suspected Hu Carcinogen:lung	man

cancer; pulmonary fibrosis;

6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 3 of 9

Appropriate engineering controls: N.A.

# **Individual protection measures**

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.

N.A.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: paste Beige

Odour: light latex like

Odour threshold: No data available

pH: No data available

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: 100 °C (212 °F) Notes Closed Cup Method ( Closed Cup )

Evaporation rate: <1.0

Upper/lower flammability or explosive limits: No data available

Vapour density: >1.0 Vapour pressure: >1.0

Relative density: No data available Solubility in water: Insoluble Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available Oxidizing properties: No data available Solid/gas flammability: No data available

### Other information

Substance Groups relevant properties No data available

Miscibility: No data available Fat Solubility: No data available Conductivity: No data available

# 10. STABILITY AND REACTIVITY

# Reactivity

Stable under normal conditions

#### **Chemical stability**

Data not available.

# Possibility of hazardous reactions

None.

# Conditions to avoid

Stable under normal conditions.

#### **Incompatible materials**

None in particular.

# **Hazardous decomposition products**

None.

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 4 of 9

#### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

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

Alkyl epoxy resin a) acute toxicity LD50 Skin Rabbit > 3987 mg/kg

LD50 Oral Rat = 17100 mg/kg

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

Silica Sand a) acute toxicity LD50 Oral Rat = 500 mg/kg

4-NONYLPHENOL, a) acute toxicity LD50 Oral Rat 1300 mg/kg

BRANCHED

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure

Toxicological kinetics, metabolism and distribution information

- i) STOT-repeated exposure
- j) aspiration hazard

# Substance(s) listed on the IARC Monographs:

Silica Sand Group 1

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

Silica Sand

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

Silica Sand

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

Silica Sand

# 12. ECOLOGICAL INFORMATION

# **Toxicity**

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

#### List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
Silica Sand	CAS: 14808-60-7	a) Aquatic acute toxicity: LC50 carp > 10000,00000 mg/L 72h
4-NONYLPHENOL, BRANCHED CAS: 84852-15-3		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, 367-381
		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)

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 5 of 9

LOEC Fish Pimephales promelas 14  $\mu$ 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

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  $\mu$ g/L 48h ,,Huels report No. DK-522, 1992 (unpublished)

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

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

LOEC Daphnia Daphnia magna > 100  $\mu$ g/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 72h Huels study (unpublished)

- a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 0.135 mg/L 96h IUCLID
- a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 0,1351 mg/L 96h FPA
- a) Aquatic acute toxicity: EC50 Daphnia Daphnia magna = 0,14 mg/L 48h IUCLID
- a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata 0,36 mg/L 96h 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

# Waste treatment methods

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.

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 6 of 9

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

ADR-UN number: N.A. DOT-UN Number: N.A. IATA-Un number: N.A. IMDG-Un number: N.A.

#### **UN proper shipping name**

ADR-Shipping Name: N.A.
DOT-Proper Shipping Name: N.A.
IATA-Technical name: N.A.
IMDG-Technical name: N.A.

# Transport hazard class(es)

ADR-Class: N.A.
DOT-Hazard Class: N.A.
IATA-Class: N.A.
IMDG-Class: N.A.

#### Packing group

ADR-Packing Group: N.A. DOT-Packing group: N.A. IATA-Packing group: N.A. IMDG-Packing group: N.A.

#### **Environmental hazards**

Marine pollutant: No

Environmental Pollutant: N.A.

# Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

# **Special precautions**

Department of Transportation (DOT):

N.A.

Road and Rail ( ADR-RID ) :

N.A.

Air ( IATA ):

N.A.

Sea ( IMDG ) :

NΑ

# 15. REGULATORY INFORMATION

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

# **TSCA - Toxic Substances Control Act**

# TSCA inventory:

All the components are listed on the TSCA inventory

#### **TSCA listed substances:**

Bisphenol A epoxy resin is listed in TSCA Section 8b
Alkyl epoxy resin is listed in TSCA Section 8b
Silica Sand is listed in TSCA Section 8b

4-NONYLPHENOL, BRANCHED is listed in TSCA Section 8b Section 8a - PAIR Section 5a -

SNUR Section 12b

# SARA - Superfund Amendments and Reauthorization Act Section 302 - Extremely Hazardous Substances:

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 7 of 9

No substances listed

Section 304 - Hazardous substances:

No substances listed

Section 313 - Toxic chemical list:

4-NONYLPHENOL, BRANCHED

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

No substances listed

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

Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Silica Sand

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Silica Sand

New Jersey Right to know

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

Silica Sand

Canada - Federal regulations

**DSL - Domestic Substances List** 

**DSL Inventory:** 

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List** 

**NDSL Inventory:** 

No substances listed

**NPRI - National Pollutant Release Inventory** 

Substances listed in NPRI:

No substances listed

#### **16. OTHER INFORMATION**

Safety Data Sheet dated: 6/16/2021 - version 7

**Additional classification information** 

NFPA Health: 1 = Slight

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal NFPA Special Risk: NONE



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.

CodeDescriptionH302Harmful if swallowed.H314Causes severe skin burns and eye damage.

Date 6/29/2021 Production Name ULTRABOND G-21 PART A Page n. 8 of 9

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H341 Suspected of causing genetic defects if inhaled, in contact with skin and if swallowed. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.

H402 Harmful to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

#### 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).

GefStoffVO: Ordinance on Hazardous Substances, 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
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

6/29/2021 **ULTRABOND G-21 PART A** Page n. 9 of 9 Date Production Name

# Safety Data Sheet ULTRABOND G-21 PART B

Safety Data Sheet dated: 06/16/2021 - version 8

Date of first edition: 05/13/2015



#### 1. IDENTIFICATION

#### **Product identifier**

Mixture identification:

Trade name: ULTRABOND G-21 PART B

Trade code: 2112

Recommended use of the chemical and restrictions on use

Recommended use: Hardener for epoxy products

Restrictions on use: N.A.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico) 1144 East Newport Center Drive 33442 - Deerfield Beach - FL - USA

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:** 

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

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

# 2. HAZARD(S) IDENTIFICATION









#### Classification of the chemical

Acute Tox. 4 Harmful if swallowed.

Acute Tox. 4 Harmful in contact with skin.

Skin Corr. 1B Causes severe skin burns and eye damage.

Eye Dam. 1 Causes serious eye damage.

Skin Sens. 1A May cause an allergic skin reaction.

Muta. 2 Suspected of causing genetic defects if inhaled.

Repr. 1B May damage fertility. May damage the unborn child.

STOT SE 2 May cause damage to organs if inhaled.

Aguatic Acute 1 Very toxic to aquatic life.

Aquatic Chronic 2 Toxic to aquatic life with long lasting effects.

#### **Label elements**

# Pictograms and Signal Words



#### Danger

# **Hazard statements:**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H341 Suspected of causing genetic defects if inhaled.
H360FD May damage fertility. May damage the unborn child.

H371 May cause damage to organs if inhaled.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements:**

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 1 of 10

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 should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER if you feel unwell.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a doctor.
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.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

# Ingredient(s) with unknown acute toxicity:

None

# Hazards not otherwise classified identified during the classification process:

None

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

# Substances

N.A.

# Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

#### List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
50-75 %	4-NONYLPHENOL, BRANCHED	CAS:84852-15-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Repr. 2, H361	
10-20 %	Aminoethylpiperazine	CAS:140-31-8	Acute Tox. 3, H311; Skin Corr. 1B H314; Skin Sens. 1, H317; Eye Dam. 1, H318; Repr. 1B, H360	,
10-20 %	FATTY ACIDS, C18-UNSATURATED, DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE	CAS:68082-29-1	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319; Aquatic Chronic 2, H411	С
2.5-5 %	2,4,6-Tri(dimethylaminomethyl)pheno	ol CAS:90-72-2	Skin Corr. 1B, H314; Skin Sens. 1A, H317; Aquatic Chronic 3, H41	2

# 4. FIRST AID MEASURES

# Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Obtain medical attention if skin related symptoms persist.

Remove contaminated clothing immediately and dispose of safely.

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

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 2 of 10

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:

Give nothing to eat or drink.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

#### Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

# Indication of any immediate medical attention and special treatment needed

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**

#### **Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

#### Unsuitable extinguishing media:

None in particular.

#### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A. Oxidizing properties: N.A.

#### 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.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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.

Use localized ventilation system.

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.

See also section 8 for recommended protective equipment.

# Conditions for safe storage, including any incompatibilities

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 3 of 10

Storage temperature: N.A.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control parameters**

No data available

Appropriate engineering controls: N.A.

#### **Individual protection measures**

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: No data available

pH: No data available

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: 100 °C (212 °F) Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available Vapour pressure: No data available Relative density: No data available Solubility in water: No data available Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available Oxidizing properties: No data available Solid/gas flammability: No data available

#### Other information

Substance Groups relevant properties No data available

Miscibility: No data available Fat Solubility: No data available Conductivity: No data available

# 10. STABILITY AND REACTIVITY

#### Reactivity

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 4 of 10

Stable under normal conditions

#### **Chemical stability**

Data not available.

#### Possibility of hazardous reactions

None.

#### **Conditions to avoid**

Stable under normal conditions.

#### **Incompatible materials**

None in particular.

#### Hazardous decomposition products

None.

#### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

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

4-NONYLPHENOL, BRANCHED

a) acute toxicity

LD50 Oral Rat 1300 mg/kg

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

Aminoethylpiperazine

a) acute toxicity

LD50 Skin Rabbit = 880  $\mu$ L/kg

LD50 Oral Rat = 2140 mg/kg LD50 Oral Rat = 2140  $\mu$ L/kg LD50 Skin Rabbit = 880  $\mu$ L/kg

2,4,6-

a) acute toxicity

LD50 Skin Rat = 1280 mg/kg

Tri(dimethylaminomethyl)

phenol

LD50 Oral Rat = 1000 mg/kg LD50 Skin Rat = 1280 mg/kg LD50 Oral Rat = 1200 mg/kg

#### If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure

Toxicological kinetics, metabolism and distribution information

- i) STOT-repeated exposure
- j) aspiration hazard

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

None

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

None

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

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 5 of 10

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

None

Aminoethylpiperazine

# 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

LCO-TOXICOlogical Information.		
List of components with eco-	toxicological propert	ies
Component	Ident. Numb.	Ecotox Infos
4-NONYLPHENOL, BRANCHED	CAS: 84852-15-3	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, 367-381
		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 $\mu$ 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
		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 $\mu g/L$ 48h ,,Huels report No. DK-522, 1992 (unpublished)
		EC0 Daphnia Daphnia magna < 100 $\mu$ g/L 48h ,,Huels report No. DK-522, 1992 (unpublished)
		EC50 Daphnia Daphnia magna 140 $\mu g/L$ 48h ,,Huels report No. DK-522, 1992 (unpublished)
		LOEC Daphnia Daphnia magna > 100 $\mu$ g/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 72h Huels study (unpublished)
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 0,135 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = $0,1351 \text{ mg/L} 96h \text{ EPA}$
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 0,14 mg/L 48h IUCLID
		a) Aquatic acute toxicity: EC50 Algae Pseudokirchneriella subcapitata 0,36 mg/L 96h 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

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 6 of 10

IUCLID

a) Aquatic acute toxicity: LC50 Fish Pimephales promelas 1950 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata > 1000 mg/L 96h

CAS: 140-31-8

a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss >= 100 mg/L 96h IUCLID

a) Aquatic acute toxicity: EC50 Daphnia Daphnia magna = 32 mg/L 48h IUCLID

a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 495 mg/L 72h IUCLID

FATTY ACIDS, C18-UNSATURATED, CAS: 68082-29-1 DIMERS, POLYMERS WITH TALL-

OIL FATTY ACIDS AND TRIETHYLENETETRAMINE

a) Aquatic acute toxicity: LC50 Fish Danio rerio = 7,07 mg/L 96h ECHA

#### Persistence and degradability

N.A.

#### **Bioaccumulative potential**

N.A.

#### Mobility in soil

N.A.

#### Other adverse effects

N.A.

#### 13. DISPOSAL CONSIDERATIONS

#### **Waste treatment methods**

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

#### **UN** number

ADR-UN number: 1760 DOT-UN Number: UN1760 IATA-Un number: 1760 IMDG-Un number: 1760

#### **UN proper shipping name**

ADR-Shipping Name: CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL, BRANCHED - Aminoethylpiperazine) DOT-Proper Shipping Name: Corrosive liquids, n.o.s. (4-NONYLPHENOL, BRANCHED - Aminoethylpiperazine) IATA-Technical name: CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL, BRANCHED - Aminoethylpiperazine) IMDG-Technical name: CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL, BRANCHED - Aminoethylpiperazine)

#### Transport hazard class(es)

ADR-Class: 8

DOT-Hazard Class: 8

IATA-Class: 8
IMDG-Class: 8

#### **Packing group**

ADR-Packing Group: III

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 7 of 10

DOT-Packing group: III IATA-Packing group: III IMDG-Packing group: III

#### **Environmental hazards**

Marine pollutant: Yes Environmental Pollutant: N.A.

# Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

#### Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): IB3, T7, TP1, TP28

DOT-Label(s): 8

DOT-Symbol: N/A

DOT-Cargo Aircraft: N/A

DOT-Passenger Aircraft: N/A

DOT-Bulk: N/A DOT-Non-Bulk: N/A Road and Rail ( ADR-RID ) :

ADR-Label: 8

ADR-Hazard identification number: 80

ADR-Transport category (Tunnel restriction code): 3 (E)

Air (IATA):

IATA-Passenger Aircraft: 852 IATA-Cargo Aircraft: 856

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisioning: A3 A803

Sea (IMDG):

IMDG-Stowage Code: Category A SW2

IMDG-Stowage Note: IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 274

IMDG-Page: N/A IMDG-Label: N/A IMDG-EMS: F-A, S-B IMDG-MFAG: N/A

#### 15. REGULATORY INFORMATION

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

# **TSCA - Toxic Substances Control Act**

# **TSCA** inventory:

All the components are listed on the TSCA inventory

#### **TSCA listed substances:**

4-NONYLPHENOL, BRANCHED is listed in TSCA Section 8b Section 8a - PAIR Section 5a -

SNUR Section 12b

Aminoethylpiperazine is listed in TSCA Section 8b FATTY ACIDS, C18-UNSATURATED, is listed in TSCA Section 8b DIMERS, POLYMERS WITH TALL-

OIL FATTY ACIDS AND TRIETHYLENETETRAMINE

2,4,6- is listed in TSCA Section 8b

Tri(dimethylaminomethyl)phenol

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

**Section 302 - Extremely Hazardous Substances:** 

No substances listed

Section 304 - Hazardous substances:

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 8 of 10

No substances listed

#### Section 313 - Toxic chemical list:

4-NONYLPHENOL, BRANCHED

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

No substances listed

#### **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:

No substances listed

#### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Aminoethylpiperazine

#### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Aminoethylpiperazine

#### New Jersey Right to know

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

Aminoethylpiperazine

#### Canada - Federal regulations

#### **DSL - Domestic Substances List**

**DSL Inventory:** 

All the substances are listed in the DSL.

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

**NDSL Inventory:** 

No substances listed

#### **NPRI - National Pollutant Release Inventory**

Substances listed in NPRI:

No substances listed

#### **16. OTHER INFORMATION**

Safety Data Sheet dated: 6/16/2021 - version 8

# **Additional classification information**

NFPA Health: 3 = Serious

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal NFPA Special Risk: NONE



NFPA

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.

Code	Description
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 9 of 10

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects if inhaled.

H360 May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed.

H360FD May damage fertility. May damage the unborn child. H361 Suspected of damaging fertility or the unborn child.

H371 May cause damage to organs if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

#### 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).

GefStoffVO: Ordinance on Hazardous Substances, 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
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 12. ECOLOGICAL INFORMATION
- 16. OTHER INFORMATION

Date 6/29/2021 Production Name ULTRABOND G-21 PART B Page n. 10 of 10