

SAFETY DATA SHEET

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006
Version 1 / Revision Date 19.07.2024

Amended format as per requirements of COMMISSION REGULATION (EU) 2020/878

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

1.1. Product identifier

Product Name: ULTRA BOND HEMA/TPO FREE

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

Uses advised: Nail liquid improving adhesion, cosmetic

Uses against: not specified

1.3. Details of the supplier of the safety data sheet

Company.:

HD NAILS SRL

Sede legale: Corso Torino 61R 16129 Genova (GE)

P.Iva: 02045680994

Telephone.: (0039) 3939618361

E-mail address.: info@hdnails.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture **Classification according to Regulation**

(EC) No 1272/2008 and its subsequent amendments

H225 Highly flammable liquid and vapour, Flam. Liq. 2

H317 May cause an allergic skin reaction, Skin Sens. 1

H319 Causes serious eye irritation, Eye Irrit. 2

H336 May cause drowsiness or dizziness, STOT SE 3

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2.2. Label elements

Label elements according to Regulation EC 1272/2008



Additional hazard statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

Signal word:

Danger

Hazard Statements:

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

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

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P312 Call a POISON CENTRE (+48 42 2538 400) or doctor if you feel unwell.

P321 Specific treatment. Reference to supplemental first aid instruction.

Manufacturer/supplier may specify a cleansing agent if appropriate.

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.

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P370 + P378 In case of fire: Usedrychemical/ alcohol foam/ CO2/... to extinguish.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to local regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component with REACH Registration No.	CAS-No.	EINECS-No.	Classification / Hazard Statements	Concentration [%]
MEK 01-2119457290-43-XXXX	78-93-3	201-159-0	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.	75-100
ALIPHATIC URETHANE METHACRYLATE	82339-26-2	-	Not classified as hazardous to human health and the environment.	10-25
HYDROXYPROPYL METHACRYLATE 01-2119490226-37-XXX	27813-02-1	248-666-3	H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.	1-5
BIS-TRIMETHYLBENZOYL PHENYLPHOSPHINE OXIDE	162881-26-7	423-340-5	H317: May cause an allergic skin reaction. H413: May cause long lasting harmful effects to aquatic life.	0-0.1
HYDROQUINONE	123-31-9	204-617-8	H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H341: Suspected of causing genetic defects. H351: Suspected of causing cancer. H400: Very toxic to aquatic life.	<0.02
P-HYDROXYANISOLE	150-76-5	205-769-8	H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.	<0.02

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

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Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled;

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact;

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed;

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Contact the national / local poison centre.

SECTION 5: Firefighting measures

5.1. Extinguishing media Suitable extinguishing media. Use water spray, organic solvents-resistant foam, dry chemical or carbon dioxide 5.2. Special hazards arising from the substance or mixture Carbon oxides 5.3. Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary. 5.4. Further information Use water spray to cool unopened containers

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. 6.2. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains 6.3. Methods and material for containment and cleaning up Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 6.4. Reference to other sections For disposal see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition- No smoking. Take measures to prevent the build-up of electrostatic charge. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Flammable liquids.

Precautionary Statement Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Component	CAS-No.	Workplace exposure limit (UK)			
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15-minute reference period)	
		ppm	mg/m ³	ppm	mg/m ³
MEK	78-93-3	200	600	300	899
ALIPHATIC URETHANE METHACRYLATE	82339-26-2	-	-	-	-
HYDROXYPROPYLMETHACRYLATE	27813-02-1	-	-	-	-
BIS-TRIMETHYLBENZOYL PHENYLPHOSPHINEOXIDE	162881-26-7	-	-	-	-
HYDROQUINONE	123-31-9	-	0.5	-	-
P-HYDROXYANISOLE	150-76-5	-	-	-	-

8.2. Exposure controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment
Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection impervious clothing flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use

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respirators and components tested and approved under appropriate government standards such as CEN (EU). **Control of environmental** exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Physical state: liquid
- b) Colour: colourless
- c) Odour: characteristic
- d) Melting point / freezing point: n/a
- e) Boiling point or initial boiling point and boiling range: n/a
- f) Flammability: highly flammable
- g) Lower and upper explosion limit: n/a
(Note: The term 'explosion limit' is synonymous to 'flammability limit', used outside the Union)
- h) Flash point: -3.5 ± 1.0 °C (PN-EN ISO 13736: 2013)
- i) Auto-ignition temperature: n/a
- j) Decomposition temperature: n/a
- k) pH: n/a
- l) Kinematic viscosity: n/a
- m) Solubility: insoluble in cold and hot water
- n) Partition coefficient n-octanol/water (log value): n/a
- o) Vapour pressure: n/a
- p) Density and/or relative density: n/a
- q) Relative vapour density: 0.810-0.890 g/cm³
- r) Particle characteristics: n/a

9.2. Other information

9.2.1. Information with regard to physical hazard classes

- a) Explosives: n/a
- b) Flammable gases: n/a
- c) Aerosols: n/a
- d) Oxidising gases: n/a
- e) Gases under pressure: n/a
- f) Flammable liquids: n/a
- g) Flammable solids: n/a
- h) Self-reactive substances and mixtures: n/a
- i) Pyrophoric liquids: n/a
- j) Pyrophoric solids: n/a
- k) Self-heating substances and mixtures: n/a
- l) Substances and mixtures, which emit flammable gases in contact with water: n/a
- m) Oxidising liquids: n/a
- n) Oxidizing solids: n/a
- o) Organic peroxides: n/a
- p) Corrosive to metals: n/a
- q) Desensitised explosives: n/a

9.2.2 Other safety characteristics

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- (a) mechanical sensitivity: n/a
- (b) self-accelerating polymerisation temperature: n/a
- (c) formation of explosible dust/air mixtures: n/a
- (d) acid/alkaline reserve: n/a
- (e) evaporation rate: n/a
- (f) miscibility: n/a
- (g) conductivity: n/a
- (h) corrosiveness: n/a
- (i) gas group: n/a
- (j) redox potential: n/a
- (k) radical formation potential: n/a
- (l) photocatalytic properties: n/a

SECTION 10: Stability and reactivity

10.1. Reactivity No data available. 10.2. Chemical stability Stable under recommended storage conditions. 10.3. Possibility of hazardous reactions No data available 10.4. Conditions to avoid Heat, flames and sparks. 10.5. Incompatible materials Strong oxidizing agents 10.6. Hazardous decomposition products Formed under fire conditions Carbon oxides, Nitrogen oxides (NO_x) Other decomposition products No data available. In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 11.1.1.

Information for each hazard class differentiation

No data available.

11.1.2. Mixtures (a) acute toxicity: Harmful if ingested.

(b) skin corrosion/irritation: Causes skin irritation (redness).

(c) serious eye damage/irritation: Causes serious eye irritation. (binds the eyes causing difficult product removal).

~~(d) respiratory or skin sensitisation: May cause an allergic skin reaction. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels (elicitation).~~

(e) germ cell mutagenicity: n/a

(f) carcinogenicity: n/a

(g) reproductive toxicity: n/a

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(h) STOT-single exposure: May cause drowsiness or dizziness. May cause central nervous system (CNS) depression, fatigue, coma or even fatality if accidentally enters the GI tract or inhaled.

(i) STOT-repeated exposure: n/a

(j) aspiration hazard: May cause respiratory irritation, drowsiness or dizziness.

11.1.3 Single components – Acute Toxicity and Chronic Toxicity

Component	CAS-No.	LD50 Oral/ Dermal	Skin/Eye irritant	Sensitizer	Carcinogenic	Genotoxic	Mutagenic
MEK	78-93-3	LD50 (oral, rat) 2 054 mg/kg (OECD Guideline 423, 1986); LD50 (dermal, rabbit) >10mL/kg bw (OECD Guideline 402, 1962) (ECHA)	Causes serious eye irritation.	Not classified as skin sensitizer.	No evidence of carcinogenic potential.	In vitro: negative (S. typhimurium TA 1535, TA 1537, TA 1538, TA 98 and TA 100). In vivo: negative (mouse) (ECHA)	Non- mutagenic.
ALIPHATIC URETHANE METHACRYLATE	82339-26-2	No data available	Causes serious eye irritation. Causes skin irritation.	May cause an allergic skin reaction.	No evidence of carcinogenic potential.	Not classified as genotoxic	Not classified as mutagenic
HYDROXYPROPYL METHACRYLATE	27813-02-1	LD50 (oral, rat) 2000 mg/kg bw (OECD Guideline 401, 1996); LD50 (dermal, rabbit) >5000 mg/kg bw (no guideline followed, 1982) (ECHA) LD50 > 2 000	Causes serious eye irritation.	May cause an allergic skin reaction.	No evidence of carcinogenic potential.	Negative in vitro gene mutation study in mammalian cells (Chinese hamster Ovary (CHO)). In vivo: negative (Drosophila melanogaster) (ECHA)	Non- mutagenic
BIS- TRIMETHYLBENZOYL PHENYLPHOSPHINE OXIDE	162881-26-7	mg/kg bw (oral, rat, OECD Guideline 401, 1996); LD50 > 2000 mg/kg bw (dermal, rat, OECD Guideline 402, 1996) (ECHA)	Not irritating to the skin and eyes	May cause an allergic skin reaction.	No evidence of carcinogenic potential.	In vitro: negative (S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102, E. coli WP2 uvr A) (ECHA)	No evidence of mutagenic potential.
HYDROQUINONE	123-31-9	LD50 (oral, rat) >375 mg/kg bw (OECD 401, 2002); LD50 (dermal, rabbit) >2000 mg/kg bw (Dermal, rabbit, OECD 402/EU Method B.3., 2001) (ECHA)	Causes serious eye damage.	May cause an allergic skin reaction.	Suspected of causing cancer. HQ has been classified in Carcinogenicity Category 2 (suspected human carcinogen) according to C&L of the GHS. NOAEL 25 mg/kg bw/day Study type:	Negative in vitro gene mutation study in bacteria (ECHA)	Chemical showed no mutagenic activity in a bacterial test system in investigation s comprising all Salmonella typhimurium strains required by OECD Guideline 471 (ECHA)

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					carcinogenicity (rat, OECD 453) (ECHA)		
P-HYDROXYANISOLE	150-76-5	LD50 (oral, rat) > 1 000 mg/kg bw (no guideline followed, 1959); LD50 (dermal, rat) > 2 000 mg/kg bw (2008, EU Method B.3) (ECHA)	Causes serious eye irritation. Slightly irritating to the skin.	May cause an allergic skin reaction.	Not considered as carcinogenic	Negative in vitro cytogenicity / chromosome aberration study in mammalian cells (ECHA)	No evidence of mutagenic potential

11.2.1. Endocrine disrupting properties
No data available.

11.2.2. Other information
No data available.

SECTION 12: Ecological information

12.1. Toxicity

Available toxicity of single components (table below)

12.2. Persistence and degradability
Biodegradability not available

12.1.1 / 12.2.1 Single components – Toxicity and Biodegradability

Component	CAS-No.	Toxicity to fish	Toxicity to algae	Biodegradability
MEK	78-93-3	LC50 (Pimephales promelas (Fathead minnow)), 2 993 mg/L, 96h (OECD guideline 203 (Fish, acute toxicity test)) (ECHA)	EC50 Daphnia magna, 308 mg/L, 48h, (OECD Guideline 202), (Daphnia sp. Acute Immobilisation Test) (ECHA)	Biodegradation in water. Results: approximately 108% degradation by the end of the test (Close Bottle Test) and greater than 60% biodegradation after 14 days. Conclusion: Readily biodegradable.
HYDROXYPROPYL METHACRYLATE	27813-02-1	LC50 Leuciscus idus melanotus, 493 mg/L, 48h (DIN 38412 Teil 15; Teil 1) (ECHA)	EC50 Pseudokirchnerella subcapitata, 97.2 mg/L, 72h (OECD Test Guideline 201) (ECHA)	Biodegradation in water: 81% oxygen consumption in 28 days. Conclusion: readily biodegradable (OECD Guideline 301C) (ECHA)
BIS-TRIMETHYLBENZOYL PHENYLPHOSPHINE OXIDE	162881-26-7	LC0 and the LC50 values > 90 µg/L, Danio rerio (CIBA-GEIGY 1997) (ECHA)	In an algae study (72 h) according to OECD 201 no inhibition of algae growth, expressed as biomass and growth rate was observed at the only tested concentration of 100 mg/L nominal. (ECHA)	Biodegradation in water. Results: 1 % biodegradation after 29 days. Conclusion: Not readily biodegradable. OECD Guideline 301B (ECHA)
HYDROQUINONE	123-31-9	LC50 - Onchorhynchus mykiss, Pimephales promelas 0.638 mg/L - 96 h OECD Guideline 203) (ECHA)	EC50 0.33 mg/L; EC10 or NOEC 0.019 mg/L Pseudokirchnerella subcapitata - OECD Guideline 201 (Alga, Growth Inhibition Test) (ECHA)	Biodegradation in water: Results: 70% biodegradation after 14 d. Conclusion: readily biodegradable (OECD Guideline 301C) (ECHA)
P-HYDROXYANISOLE	150-76-5	LC50 Fathead minnow (Pimephales promelas) 28.5 mg/L 96 h (OECD 203 and EU method C1) (ECHA)	EC50 54.7 mg/L; EC10 or NOEC 2.96 mg/L - 72 h Pseudokirchnerella subcapitata (OECD guideline 201, EU method C3) (ECHA)	Biodegradation in water: Results: 86% degradation in 28 days. Conclusion: readily biodegradable (OECD guideline 301C) (ECHA)

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12.3. Bioaccumulative potential

Not data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Not data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Not data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods Product Dispose of as unused product The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Precautionary Statement Disposal P501 Dispose of contents in accordance with local/ regional/ national/international regulation. Packaging The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information



14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (METHYL ETHYL KETONE)

14.3. Transport hazard class(es)

3

14.4. Packing group

II

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14.5. Environmental hazards

No data available.

14.6. Special precautions for user

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

2. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

3. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

4. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC

5. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC

6. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU

7. European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

8. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives

9. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

10. COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3. H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H341: Suspected of causing genetic defects.

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life.

H413: May cause long lasting harmful effects to aquatic life.

The above information is believed to be correct but might not be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

This document is based solely on the list of ingredients and product safety information submitted for safety data sheet, and assumes that this list is accurate and there are no additional ingredients or data which are not listed. If this information is incorrect, please contact the toxicological safety assessor a.nnolim@toxhb.net with the correct data

End of safety data sheet