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[\_] Industrial [X] Professional [X] Consumers

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 NEUCEDUR- Aqueous Polyurethane Vamish (one comp.) PRODUCT IDENTIFIER: Code: 10190000

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Intended uses (main technical functions) One-pack coating for wood floors, water-borne.

Sectors of use

# Professional uses (SU22).

# Consumer uses (SU21).

Uses advised against:

# None. As there is not classified as dangerous, this product can be used in ways other than the identified uses, but all uses have to be consistent with the safety guidelines provided.

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC). No. 1907/2006

# Not restricted.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

NEUCE - Indústria de Tintas, S.A.

Rua Francisco Rocha - Aptdo . 4514 - 3700-892 - Romariz SJM (Portugal) Phone: +351 256 840040 - Fax: +351 256 840049

E-mail address of the person responsible for the Safety Data Sheet:

e-mail: geral@neuce.pt

1.4 EMERGENCY TELEPHONE NUMBER: +351 256 840041 (9:00-18:30 h.) (working hours)

#### **SECTION 2: HAZARDS IDENTIFICATION**

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

This product is not classified as dangerous, in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP)

Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.

Note: This product does not require a Safety Data Sheet according to the Regulation (EC) no. 2015/830. When used as recommended or under ordinary conditions, it should not present a physicochemical, health safety or environmental hazard. However, an MSDS can be provided as a courtesy in response to a customer request.

2.2 LABEL ELEMENTS:

# This product does not require pictograms, in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP)

Hazard statements:

None.

Precautionary statements:

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing. P271 Use only outdoors or in a well-ventilated area. P280B Wear protective gloves and eye protection.

Supplementary statements:

EUH 208 Contains mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1). May produce an allergic reaction.

EUH 210 Safety data sheet available on request.

Substances that contribute to classification:

None.

2.3

Hazards which do not result in classification but which may contribute to the overall hazards of the mixture:

Other physicochemical hazards: # No other relevant adverse effects are known.

Other adverse human health effects: # Prolonged exposure to vapours may produce transient drowsiness. Prolonged contact may cause skin dryness.

Other negative environmental effects: # Does not contain substances that fulfil the PBT/vPvB criteria.



## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.1

SUBSTANCES: Not applicable (mixture).

3.2 MIXTURES:

# This product is a mixture.

Solution of acrylic polymer (ba/mma) in aqueous media.

HAZARDOUS INGREDIENTS: Substances taking part in a percentage higher than the exemption limit:

2,5 < 5 %	Butylglycol CAS: 111-76-2, EC: 203-905-0 CLP: Warning: Acute Tox. (inh.) 4:H332   Acute Tox. (skin) 4:H312   Acute Tox. (oral) 4:H302   Skin Irrit. 2:H315   Eye Irrit. 2:H319	Index No. 603-014-00-0 < REACH / CLP00
< 0,5 %	C12-C15-alcohol ethoxylated(7) CAS: 68131-39-5 , EC: Polymer CLP: Warning: Acute Tox. (oral) 4:H302   Skin Irrit. 2:H315   Eye Irrit. 2:H319   Aquatic Acute 1:H400 (M=1)	Autoclassified
< 0,25 %	1-methyl-2-pyrrolidone CAS: 872-50-4, EC: 212-828-1 CLP: Danger: Skin Irrit. 2:H315   Eye Irrit. 2:H319   Repr. 1B:H360oD   STOT SE (irrit.) 3:H335	Index No. 606-021-00-7 < ATP09
< 0,15 %	Ammonia CAS: 1336-21-6, EC: 215-647-6 CLP: Danger: Skin Corr. 1B:H314   STOT SE (irrit.) 3: H335   Aquatic Acut e 1: H400 (Note B) (M=1)	Index No. 007-001-01-2 < CLP00
< 0,001 %	Reaction mass of 5-chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 2	20-239-6]
	(3:1) CAS: 55965-84-9 , List No. 611-341-5 REACH: Exempt (biocide) CLP: Danger: Acute Tox. (inh.) 2:H330   Acute Tox.(skin) 2:H310   Acute Tox. (oral) 3:H301   Skin Corr. 1C:H314   Eye Dam. 1:H318   Skin Sens. 1A:H317   Aquatic Acute 1:H400 (M=10)   Aquatic Chronic 1:H410 (M=10)   EUH071	Index No. 613-167-00-5 < A™13

# Impurities:

# Does not contain other components or impurities which will influence the classification of the product.

# Stabilizers:

None

# Reference to other sections:

For more information, see sections 8, 11, 12 and 16.

#### SUBSTANCES OF VERY HIGH CONCERN (SVHC):

# List updated by ECHA on 15/01/2019.
Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

1-methyl-2-pyrrolidone, CMR/Repr.Cat.1B (Article 57c), Decision: ED/31/2011.

PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:

Does not contain substances that fulfil the PBT/vPvB criteria.



Code: 10190000

#### **SECTION 4: FIRST AID MEASURES**

#### 4.1 DESCRIPTION OF FIRST-AID MEASURES:



# Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	# Usually produces no symptoms.	# Should there be any symptoms, transfer the person affected to the open air.
Skin:	# Usually produces no symptoms.	# Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
<u>Eyes:</u>	# Usually produces no symptoms.	# Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. If irritation persists, consult a physician.
<u>Ingestion:</u>	# If swallowed in high doses, may cause gastrointestinal disturbances.	# If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

- 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
- The main symptoms and effects are indicated in sections 4.1 and 11.1
- 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

  Notes to physician: # Treatment should be directed at the control of symptoms and the clinical condition of the patient.

  Antidotes and contraindications: # Specific antidote not known.

#### **SECTION 5: FIRE-FIGHTING MEASURES**

- 5.1 EXTINGUISHING MEDIA:
  - # Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist.
- 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
  - # As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, nitrogen oxides, isocyanate vapours, traces of hydrocyanic acid. Exposure to combustion or decomposition products may be a hazard to health.
- 5.3 ADVICE FOR FIREFIGHTERS:

Special protective equipment: # Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.

# Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
  - # Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product.
- 6.2 <u>ENVIRONMENTAL PRECAUTIONS:</u>
  - # Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
  - # Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Keep the remains in a closed container.
- 6.4 REFERENCE TO OTHER SECTIONS:
  - For contact information in case of emergency, see section 1.
  - For information on safe handling, see section 7.
  - For exposure controls and personal protection measures, see section 8.
  - For waste disposal, follow the recommendations in section 13.



### **SECTION 7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING: 7.1

# Comply with the existing legislation on health and safety at work.

# Use in areas free from sources of ignition and away from heat or electrical sources. Do not smoke. Avoid any type of leakage or escape. Keep the container tightly closed.

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Recommendations for the prevention of fire and explosion risks:

# Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heart or electrical sources. Switch mobile phones off and do not smoke. No tools with a potential for sparks should be used. Recommendations for the prevention of toxicological risks

# Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.

Recommendations for the prevention of environmental contamination:
# It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES 7.2

# Forbid the entry to unauthorized persons. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.

# According to current legislation. Class of storage

Maximum storage period # 24. months # min: 5. °C, max: 35. °C (recommended).

Temperature interval Incompatible materials

# Keep away from oxidixing agents, from strongly alkaline and strongly acid materials.

Type of packaging:

# According to current legislation.

Limit quantity (Seveso III): # Directive 2012/18/EU:

Not applicable (product for non industrial use)...



7.3 SPECIFIC FND LISES:

For the use of this product do not exist particular recommendations apart from that already indicated.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 CONTROL PARAMETERS:

# If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assesing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

#### OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2018	<u>Year</u>	TLV-TWA		TLV-STEL	4.0	<u>Remarks</u>
Butylglycol 1-methyl-2-pyrrolidone	1996	20. 25.	mg/m3 98. 103.	ppm - 75.	mg/m3 - 309.	A3, BEI Recommended Skin, BEI
Ammonia Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	1976	25. -	17. 0.080	35. -	24. 0.23	Recommended

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

Skin - Danger of cutaneous absorption.

A3 - Carcinogenic in animals.

BEI - Biological exposure index (biological monitoring).

Dermal (Vd): # Means that, in exposures to this substance, the contribution by the cutaneous route, including the mucous membranes and eyes, may result significant for the overall body content if no measures are taken to prevent absorption. There are some chemicals for which dermal absorption, both in liquid and vapour phases, can be very high, and this route of entry may be or equal or greater importance even that inhalation pathway. In these situations, the use of a biological control is essential in order to quantify the overall amount of contaminant absorbed.

#### BIOLOGICAL LIMIT VALUES:

This preparation contains the following substances that have established a biological limit value:

- # 2-butoxyethanol (2006): Biological determinant: butoxyacetic acid in urine, BEI: 200 mg/g creatinine, Sampling time: end of shift (2), with hydrolisis (9)
- # N-methyl-2-pyrrolidone (2006): Biological determinant: 5-hydroxy-N-methyl-2-pyrrolidone in urine, BEI: 100 mg/l, Sampling time: end of shift (2).
- # (2) When the end of the exposition not coincide with the end of the working day, the sample will be taken as soon as possible after the real expósition ceases
- # (9) It means that the metabolite has to be determined after hydrolising the sample.

# DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

, ,						
Derived no-effect level, workers: - Systemic effects, acute and chronic: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	DNEL Inhalation mg/m3 1091. (a) - (a) - (a)	98.0 (c) - (c) - (c)	DNEL Cutaneous mg/kg bw/d 89.0 (a) - (a) - (a)	125. (c) - (c) - (c)	DNEL Oral mg/kg bw/d - (a) - (a) - (a)	- (c) - (c) - (c)
Derived no-effect level, workers: - Local effects, acute and chronic: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	DNEL Inhalation mg/m3 246. (a) - (a) - (a)	s/r (c) - (c) - (c)	DNEL Cutaneous mg/cm2 m/r (a) - (a) - (a)	s/r (c) - (c) - (c)	DNFL Eyes mg/cm2 m/r (a) - (a) - (a)	- (c) - (c) - (c)
Derived no-effect level, general population: - Systemic effects, acute and chronic: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	DNEL Inhalation mg/m3 426. (a) - (a) - (a)	59.0 (c) - (c) - (c)	DNEL Cutaneous mg/kg bw/d 89.0 (a) - (a) - (a)	75.0 (c) - (c) - (c)	DNEL Oral mg/kg bw/d 26.7 (a) - (a) - (a)	6.30 (c) - (c) - (c)
Derived no-effect level, general population:  Local effects, acute and chronic: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	DNEL Inhalation mg/m3 147. (a) - (a) - (a)	s/r (c) - (c) - (c)	DNEL Cutaneous mg/cm2 m/r (a) - (a) - (a)	s/r (c) - (c) - (c)	DNFL Eyes mg/cm2 m/r (a) - (a) - (a)	- (c) - (c) - (c)

- (a) Acute, short-term exposure, (c) Chronic, long-term or repeated exposure.
- (-) DNEL not available (without data of registration REACH).
- s/r DNEL not derived (not identified hazard).
- m/r DNEL not derived (medium hazard).



# PREDICTED NO-EFFECT CONCENTRATION (PNEC):

Predicted no-effect concentration, aquatic organisms: - Fresh water, marine water and intermittent release: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	PNEC Fresh water mg/l 8.80 - -	PNEC Marine mg/I 0.880 - -	PNEC Intermittent mg/l 9.10 - -
- Wastewater treatment plants (STP) and sediments in fresh- and marine water: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	PNEC STP mg/l 463.	PNEC Sediments mg/kg dw/d 34.6 - -	PNEC Sediments mg/kg dw/d 3.46 - -
Predicted no-effect concentration, terrestrial organisms:  - Air, soil and effects for predators and humans: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	PNEC Air mg/m3 s/r - -	PNEC Soil mg/kg dw/d 2.33 - -	PNEC Oral mg/kg dw/d 20.0 - -

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<sup>(-) -</sup> PNEC not available (without data of registration R EACH). s/r - PNEC not derived (not identified hazard).



**EXPOSURE CONTROLS:** 8.2

# **ENGINEERING MEASURES:**





# Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

# Protection of respiratory system:

Protection of eyes and face: # It is recommended to install water taps or sources with clean water close to the working area.

Protection of hands and skin: # It is recommended to install water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCCUPATIONAL EXPOSURE CONTROLS: Regulation (EU) No. 2016/425:
As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning maint enance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc..), you should consult the informative brochures provided by the manufacturers of PPE

manufacturers of PPE.	r PPE.					
Mask:	# Mask for gases and vapours (EN14387). Class 1: low capacity up to 1000 ppm, Class 2: medium capacity up to 5000 ppm, Class 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.					
Safety goggles:	# Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.					
Face shield:	# No.					
Gloves:	# Gloves resistant against chemicals (EN374). When repeated or prolonged contact with the product is expected, gloves of protection level 5 or higher should be used, with a breakthrough time of > 240 min. When short contact with the product is expected, use gloves with a protection level 2 or higher should be used, with a breakthrough time > 30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. The gloves should be immediately replaced when any sign of degradation is noted.					
Boots:	# No.					
Apron:	# No.					
Clothing:	# No.					

#### Thermal hazards:

# Not applicable (the product is handled at room temperature).

# ENVIRONMENTAL EXPOSURE CONTROLS:

# Avoid any spillage in the environment.

Spills on the soil: # Prevent contamination of soil.

Spills in water: # Do not allow to escape into drains, sewers or water courses.

- Water Management Act: # This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

Emissions to the atmosphere: # Not applicable.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES** 9.1 INFORMATIONON BASIC PHYSICAL AND CHEMICAL PROPERTIES: **Appearance** - Physical state # Liauid. - Colour # Colourless. - Odour Characteristic Odour threshold # Not available (mixture). pH-value  $8. \pm 1.$  # at  $20^{\circ}C$ - nH <u>Change of state</u>
- Melting point
- Initial boiling point # Not available > 100\* # °C at 760 mmHg Density Vapour density # Not available Relative density  $1.02 \pm 0.1$ # at 20/4°C Relative water Apparent density  $1.02 \pm 0.1$ g/cc at 20°C Stability Decomposition temperature # Not available (technical impossibility to obtain the data). Viscosity: Viscosity (Krebs-Stormer)  $60. \pm 2.$ # KU 25°C Volatility: Evaporation rate *3*9.6\* nBuAc=100 25°C Relative Vapour pressure # Not applicable Solubility(ies) Solubility in water: # Miscible Liposolubility # Not available (mixture untested). - Partition coefficient: n-octanol/water Not applicable (mixture). Flammability: # CLP 2.6.4.3. - Flash point Autoignition temperature # Not applicable (do not sustain combustion). Explosive properties: # Not available. Oxidizing properties # Not classified as oxidizing product. \*Estimated values based on the substances composing the mixture. 9.2 **OTHER INFORMATION:** - Heat of combustion 5289\* Kcal/kg Solids 30.2 # % Weight The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 **SECTION 10: STABILITY AND REACTIVITY** 10.1 REACTIVITY: Corrosivity to metals: # It is not corrosive to metals. Pyrophorical properties: # It is not pyrophoric. 10.2 CHEMICAL STABILITY: # Stable under recommended storage and handling conditions. 10.3 POSSIBILITY OF HAZARDOUS REACTIONS: # Possible dangerous reaction with oxidizing agents, acids, alkalis. CONDITIONS TO AVOID: 10.4 Heat: # Keep away from sources of heat. Light: # If possible, avoid direct contact with sunlight. Air: # The product is not affected by exposure to air, but should not be left the containers open. Pressure: # Not relevant. # The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations. 10.5 INCOMPATIBLE MATERIALS: # Keep away from oxidixing agents, from strongly alkaline and strongly acid materials. 10.6 **HAZARDOUS DECOMPOSITION PRODUCTS:** # As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides, hydrocyanic acid.

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation is available. The toxic dog call dassification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No.  $1272/2008 \sim 2018/1480$  (CLP).

### 11.1 INFORMATIONON TOXICOLOGICAL EFFECTS:

#### ACUTE TOXICITY:

Dose and lethal concentrations for individual ingredients: Butylglycol C12-C15-alcohol ethoxylated(7) 1-methyl-2-pyrrolidone Ammonia Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	LD50 (OFCD 401) mg/kg bw oral 1300. Rat 1650. Rat 3914. Rat 350. Rat 75. Rat	LD50 (OECD 402) mg/kg bw cutaneous 1400. Rabbit > 2000. Rabbit 8000. Rabbit	LC50 (OECD 403) mg/m3-4h inhalation > 2560. Rat  > 5100. Rat > 5000. Rat > 1230. Rat
Estimates of acute toxicity (ATE) for individual ingredients: Butylglycol C12-C15-alcohol ethoxylated(7) Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	ATE mg/kg bw oral 1300. 1650. 75.	MTE mg/kg bw cutaneous 1400. 140.	MTE mg/m3-4h inhalation 11000.* Vapours - 50.* Dust

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- (\*) Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.
- (-) The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

INFORMATIONON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

TWO TWITT TO THE OFFICE TO THE					
Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed	Criteria	
Inhalation: Not classified	ATE > 20 000 mg/m3	-	# Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.	
Skin: Not classified	ATE > 2000 mg/kg bw	-	# Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.	
Eyes: Not classified	Not available	-	# Not classified as a product with acute toxicity by eye contact (lack of data).	GHS/CLP 1.2.5.	
Ingestion: Not classified	ATE > 2000 mg/kg bw	-	# Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.	

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

# CORROSION / IRRITATION / SENSITISATION:

<u></u>			
Target organs	Cat.	Main effects, acute and/or delayed	Criteria
-	-	# Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 1.2.6. 3.8.3.4.
-	-	# Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.2.3.3.
-	-	# Not classified as a product corrosive or irritant in contact with eyes (based on available data, the classification criteria are not met).	GHS/CLP 3.3.3.3.
-	-	# Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
-	-	# Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
			Target organs  Cat. Main effects, acute and/or delayed  - #Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).  - #Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).  - #Not classified as a product corrosive or irritant in contact with eyes (based on available data, the classification criteria are not met).  - #Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).  - #Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components.

### **ASPIRATION HAZARD:**

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
Aspiration hazard: Not classified	-	-	# Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met).	GHS/CLP 3.10.3.3.

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GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

# SPECIFIC TARGET OR GANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

# Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

#### CMR EFFECTS:

Carcinogenic effects: # It is not considered as a carcinogenic product.

Genotoxicity: # It is not considered as a mutagenic product.

Toxicity for reproduction: # Does not harm fertility. Does not harm the unborn child.

Effects via lactation: # Not classified as a hazardous product for children breast-fed.

#### DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: # Not available.
Short-term exposure: # May irritate the eyes and skin.
Long-term or repeated exposure: # Not available.

#### INTERACTIVE EFFECTS:

# Not available.

## INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

Dermal absorption:

This preparation contains the following substances for which dermal absorption can be very high: 1-methyl-2-pyrrolidone.

Basic toxicokinetics: # Not available.

## ADDITIONAL INFORMATION:

This preparation contains glycols that are readily absorbed through the skin and may cause harmful effects on the blood.

#### **SECTION 12: ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2018/1480 (CLP).

#### 12.1 TOXICITY:

Acute toxicity in aquatic environment for individual ingredients: Butylglycol C12-C15-alcohol ethoxylated(7) 1-methyl-2-pyrrolidone Ammonia Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	LC50 (OECD 203) mg/l96hours 1474. Fishes > 3.0 Fishes 832. Fishes 0.68 Fishes 0.19 Fishes	EC50 (OECD 202) mg/l48hours 1550. Daphnia > 1.9 Daphnia 4900. Daphnia 101. Daphnia 0.16 Daphnia	EC50 (OECD 201) mg/l-72hours 911. Algae > 2.2 Algae 500. Algae 2700. Algae 0.018 Algae
No observed effect concentration  Butylglycol	NOEC (OECD 210) mg/l·28days > 100. Fishes	NOEC (OECD 211) mg/l-21days > 100. Daphnia	NOEC (OECD 201) mg/l-72hours

### owest observed effect concentration

Not available

# ASSESSMENT OF AQUATIC TOXICITY:

Aquatic toxicity	Cat.	Main hazards to the aquatic environment	Criteria
Acute aquatic toxicity: Not classified	-	# Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met).	GHS/CLP 4.1.3.5.5.3.
Chronic aquatic toxicity: Not classified	-	# Not classified as a dangerous product with chronic toxicity to aquatic life with long lasting effects (based on available data, the classification criteria are not met).	GHS/CLP 4.1.3.5.5.4.

CLP 4.1.3.5.5.3: Classification of a mixture for acute hazards, based on summation of classified components.

CLP 4.1.3.5.5.4: Classification of a mixture for chronic (long term) hazards, based on summation of classified components.

#### 12.2 PERSISTENCE AND DEGRADABILITY:

# Not available.

Aerobic biodegradation	DQO	%DBO/DQO	Biodegradability
for individual ingredients:	mgO2/g	5 days 14 days 28 days	
Butylglycol	2210.	~ 52. ~ 67. ~ 83.	Easy
C12-C15-alcohol ethoxylated(7)			Easy
1-methyl-2-pyrrolidone	~ 1600.	~ 68. ~ 92. ~ 97.	Easy
Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)			Inherently

<sup>#</sup> Note: Biodegradability data correspond to an average of data from various bibliographic sources.

NEUCE O FUTURO DA TINTA

NEUCEDUR- Aqueous Polyurethane Vamish (one comp.)

BIOACCUMULATIVE POTENTIAL: 12.3

# Not available.

Bioaccumulation for individual ingredients:	log Pow	BCF L/kg	Potential
Butylglycol	0.830	3.2 (calculated)	Not available
C12-C15-alcohol ethoxylated(7)	3.40	81. (calculated)	Not available
1-methyl-2-pyrrolidone	-0.730	3.2 (calculated)	Not available
Ammonia	-2.66	3.2 (calculated)	Not available
Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	-0.830	3.2 (calculated)	Not available

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12.4 MOBILITY IN SOIL: # Not available.

Mobility	log Koc	Constant of Henry	Potential
for individual ingredients :		Pa·m3/mol 20°C	
Butylglycol	0.880	0.081 (calculated)	Not available
C12-C15-alcohol ethoxylated(7)	1.94		Not available
1-methyl-2-pyrrolidone	0.670		Not available
Mixture CIT EC 247-500-7 MIT EC 220-239-6 (3:1)	-1.22		Not available

12.5 RESULTS OF PBT AND VPVB ASSESMENT: Annex XIII of Regulation (EC) no. 1907/2006:

# Does not contain substances that fulfil the PBT/vPvB criteria.

12.6 OTHER ADVERSE EFFECTS:

Ozone depletion potential: # Not available.

Photochemical ozone creation potential: # Not available.

Earth global warming potential: # Not available.
Endocrine disrupting potential: # Not available.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE TREATMENT METHODS: # Directive 2008/98/EC~Regulation (EU) no. 1357/2014: 13.1

# Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

# Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU: Disposal of empty containers:

# Emptied containers and packaging should be disposed in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of empting of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

# Authorised landfill in accordance with local regulations.

SAFETY DATA SHEET (REACH)
# In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2015/830 Revision: 11/10/2019 NEUCE NEUCEDUR- Aqueous Polyurethane Vamish (one comp.) Code: 10190000 O FUTURO DA TINTA **SECTION 14: TRANSPORT INFORMATION** 14.1 **UN NUMBER:** Not applicable 14.2 <u>UN PROPER SHIPPING NAME:</u> Not applicable 14.3 TRANSPORT HAZARD CLASS(ES): Transport by road (ADR 2019) and Transport by rail (RID 2019): Not regulated Transport by sea (IMDG 38-16): Not regulated Transport by air (ICAO/IATA 2018): Not regulated Transport by inland waterways (ADN): # Not regulated PACKING GROUP: 14.4 Not regulated **ENVIRONMENTAL HAZARDS** 14.5 # Not applicable (not classified as hazardous for the environment). 14.6 SPECIAL PRECAUTIONS FOR USER: # Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure. Ensure adequate ventilation. 14.7 TRANSPORT IN BULK ACCORDING TO ANNEXI I OF MARPOL 73/78 AND THE IBC CODE # Not applicable. **SECTION 15: REGULATORY INFORMATION** 15.1 EU SAFETY, HEALT HAND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC: The regulations applicable to this product generally are listed throughout this Safety Data Sheet. Restrictions on manufacture, placing on market and use: See section 1.2 Tactile warning of danger: Not applicable (the classification criteria are not met). Child safety protection: Not applicable (the classification criteria are not met). VOC information on the label # Contains VOC max. 50. g/l - The limit value 2004/42/CE-IIA cat. i) for the product ready for use is VOC max. 140. g/l (2010). OTHER REGULATIONS: Control of the risks inherent in major accidents (Seveso III): See section 7.2 # The receiver should verify the possible existence of local regulations applicable to the chemical.

15.2

**CHEMICAL SAFETY ASSESSMENT:** 

# A chemical safety assessment has not been carried out for this mixture.

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#### **SECTION 16: OTHER INFORMATION**

TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3: Hazard statements according the Regulation (EU) No. 1272/2008~2018/1480 (CLP), Annex III:

H301 Toxic if swallowed. H302 Harmful if swallowed. H310 Fatal in contact with skin. H312 Harmful in contact with skin. 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 burns and eye darliage. h315 Causes skillmination. h317 May cause arraining is skillmeaction. h316 Causes serious eye darliage. h316 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life with long lasting effects. EUH071 Corrosive to the respiratory tract. H360oD May damage the unborn child if swallowed. Notes related to the identification, classification and labelling of the substances:

Note B: Some substances are placed on the market in aqueous solutions at various concentrations and these solutions require different

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classification and labelling since the hazards vary at different concentrations.

EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES: See sections 9.1, 11.1 and 12.1.

#### ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS

# It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.

### MAIN LITERATURE REFERENCES AND SOURCES FOR DATA

- # · European Chemicals Agency: ECHA, http://echa.europa.eu/
- # · Access to European Union Law, http://eur-lex.europa.eu/
- · Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2017).

#### # ABBREVIATIONS AND ACRONYMS

List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:

- # · REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- # · GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- # · CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures.
- # · EINECS: European Inventory of Existing Commercial Chemical Substances.
- # · ELINCS: European List of Notified Chemical Substances.
- # · CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- # · UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
- # · SVHC: Substances of Very High Concern. # · PBT: Persistent, bioaccumulable and toxic substances.
- # · vPvB: Very persistent and very bioaccumulable substances.
- # · DNEL: Derived No-Effect Level (REACH).
- # · PNEC: Predicted No-Effect Concentration (REACH).
- # · LD50: Lethal dose, 50 percent.
- # · LC50: Lethal concentration, 50 percent.
- # · UN: United Nations Organisation.
- # · ADR: European agreement concerning the international carriage of dangeous goods by road.
- # · RID: Regulations concerning the international transport of dangeous goods by rail.
- # · IMDG: International Maritime code for Dangerous Goods.
- # · IATA: International Air Transport Association.
- # · ICAO: International Civil Aviation Organization.

#### SAFETY DATA SHEET REGULATIONS:

# Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2015/830.

HISTORIC: 23/01/2019 Version: 8 Version: 9 11/10/2019

### # Changes since previous Safety Data Shee

# Legislative, contextual, numerical, methodological and normative changes since the previous version of the present Safety Data Sheet are identified by a red-italic hash (#).

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.