Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 1 / 10 ΕN

403 - 81450 UV EDGEBENDING ZERO MATT 81450

Safety data sheet

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

1.1. Product identifier

Code: 403

Product name 81450 UV EDGEBENDING ZERO MATT 81450

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

Intended use UV EDGEBENDING COATING

1.3. Details of the supplier of the safety data sheet

Name FRIMPEKS KIMYA VE ETIKET SAN.TIC. A.S.

Full address Haciseremet Mevkii Sanayi Bölgesi, Baraj Yolu 4/93 No.:53
District and Country 59850 Velimese / Corlu (Turkey)

Turkey

Tel. +90 282 674 5200 Fax +90 282 674 4353

e-mail address of the competent person

responsible for the Safety Data Sheet vincenzo.benessere@frimpeks.com

Product distribution by Niv Asa

1.4. Emergency telephone number

For urgent inquiries refer to +90 212 867 1000

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication:

Eye Dam. 1 H318 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Chronic 2 H411

2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments.

Danger Symbols: X

R phrases: 38-41-43-52/53

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger



Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 2 / 10

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317,

Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410, Note D

403 - 81450 UV EDGEBENDING ZERO MATT 81450

SECTION 2. Hazards identification. .../>>

Hazard statements:

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash . . . thoroughly after handling.
P273 Avoid release to the environment.

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

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

P310 Immediately call a POISON CENTER or doctor / physician.

Contains: dipropylenglykoldiacrylate

2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester

1,6-HEXANEDIOL DIACRYLATE

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification. Conc. %. Classification 67/548/EEC. Classification 1272/2008 (CLP).

INERT

CAS. - 30 - 50

EC.

INDEX.

1,6-HEXANEDIOL DIACRYLATE

CAS. 13048-33-4 10 - 30 Xi R36/38, Xi R43, Note D Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Note D

EC. 235-921-9

INDEX. 607-109-00-8

Reg. no. 01-2119484737-22-0005

dipropylenglykoldiacrylate

CAS. 57472-68-1 10 - 30 Xi R38, Xi R41, Xi R43 Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317

EC. 260-754-3

INDEX. -

Reg. no. 01-2119484629-21-0000

2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester

CAS. 15625-89-5 5 - 9 Note D

EC. 239-701-3

INDEX. 607-111-00-9

Reg. no. 01-2119489896-11-0001 **2-Hydroxy-2-methylpropiophenon**

CAS. 7473-98-5 5 - 9 Xn R22 Acute Tox. 4 H302

EC. 231-272-0

INDEX. -

Rea. no. 01-2119472306-39-0000

Benzophenone

CAS. 119-61-9 1 - 5 Xn R48/22, N R51/53 STOT RE 2 H373, Aquatic Chronic 2 H411

EC. 204-337-6

INDEX. -

Reg. no. 01-2119899704-20-XXXX



Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 3 / 10

403 - 81450 UV EDGEBENDING ZERO MATT 81450

SECTION 3. Composition/information on ingredients. .../>>

Alpha hydroxy ketone, difunctional

CAS. - 1 - 3 Repr. Cat. 3 R62 Repr. 2 H361f

EC. 402-990-3

INDEX. -

Reg. no. 01-0000015270-82-0000

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N =

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.



403 - 81450 UV EDGEBENDING ZERO MATT 81450

Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 4 / 10

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

United Kingdom EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for

use with the Control of Substances Hazardous to Health Regulations (as amended).

Éire Code of Practice Chemical Agent Regulations 2011.

OEL EU Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive

2000/39/EC.

TLV-ACGIH ACGIH 2012

			dinronylo	nglykoldiacryla	ato			
Predicted no-effect cor	centration - P	NEC	uipiopyiei	igiykolulaci yil	ate			
Normal value for the						0.0013	mg/kg	
Normal value in fresh		0.0034	mg/L					
Normal value for water, intermittent release						0.034	mg/L	
Normal value in mari	0.00034	mg/L						
Normal value for fres	sh water sedime		0.00884	mg/kg				
Normal value of STP	Normal value of STP microorganisms							
Health - Derived no-effe	ect level - DNE	L / DMEL						
	Effects on c	onsumers.		Effects on	ects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.							VND	24,48 mg/m3

	2-Propeno	ic acid, 2-eth	ıyl-2-[[(1-oxo-2	-propenyl)oxy	methyl]-1,3-	propanediyleste	er		
redicted no-effect con	centration - P	NEC.							
Normal value for the	Normal value for the food chain (secondary poisoning)								
Normal value for the	0.0043	mg/kg							
Normal value in fresh	Normal value in fresh water								
Normal value for water, intermittent release							mg/l		
Normal value in marine water							mg/l		
Normal value for fres	0.0062	mg/kg							
Normal value for mar	Normal value for marine water sediment								
Normal value of STP	Normal value of STP microorganisms								
ealth - Derived no-effe	ect level - DNE	L / DMEL							
	Effects on c	onsumers.			Effects on workers				
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral.			VND	1.39 mg/kg					
Inhalation.			VND	4.9 mg/m3			VND	16.2 mg/m3	
Skin.			VND	0.48			VND	0.80	
				mg/kg				mg/kg	



Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 5 / 10

403 - 81450 UV EDGEBENDING ZERO MATT 81450

SECTION 8. Exposure controls/personal protection. .../>>

			0.11					
			2-Hydroxy-2-r	nethylpropiopl	nenon			
Predicted no-effect con	ncentration - P	NEC.						
Normal value for the	terrestrial com	674	mg/kg					
Normal value in fresh	0.00195	mg/l						
Normal value for water, intermittent release							mg/l	
Normal value in marine water							mg/l	
Normal value for fresh water sediment							mg/kg	
Normal value for marine water sediment							mg/kg	
Normal value of STP	45	mg/l						
lealth - Derived no-effe	ect level - DNE	L / DMEL						
	Effects on consumers.					Effects on workers		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.					VND	3,5 mg/m3	VND	3,5 mg/m3
Skin.					VND	1.25 mg/kg	VND	1,25 mg/kg

Renzonhenone

			Dei	zopnenone					
Predicted no-effect cor	ncentration	- PNEC.							
Normal value for the	terrestrial co	0.31	mg/kg						
Normal value in fresh	n water.	0.02	mg/l						
Normal value for wat	er, intermitte	0.035	mg/l						
Normal value in mari	ne water.	0.002	mg/l						
Normal value for fres	sh water sedi	1.1	mg/kg						
Normal value for ma	rine water se	0.11	mg/kg						
Normal value of STP	microorgan	3.16	mg/kg						
Health - Derived no-effe	ect level - D	NEL / DMEL.							
	Effects or	n consumers.			Effects on workers.				
Route of exposure.	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic	
	local.	systemic.	local.	systemic.	local.	systemic.	local.	systemic.	
Oral.			VND	0,05					
				mg/kg/day					
Inhalation.			VND	0,17			VND	26,4	
				mg/m3				mg/m3	
Skin.			VND	0.05			VND	15	
				mg/kg/day				mg/kg/day	

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.



Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 6 / 10

403 - 81450 UV EDGEBENDING ZERO MATT 81450

SECTION 8. Exposure controls/personal protection. .../>>

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Not available. Appearance Colour Not available. Odour Not available Odour threshold. Not available. pH. Not available Melting point / freezing point. Not available. Initial boiling point. Not available. Not available. Boiling range. Flash point. 100 °C. Not available Evaporation rate Flammability (solid, gas) Not available. Lower inflammability limit. Not available Not available. Upper inflammability limit. Lower explosive limit. Not available. Not available Upper explosive limit. Vapour pressure. Not available. Not available. Vapour density Relative density. Not available. Solubility Not available. Partition coefficient: n-octanol/water Not available Auto-ignition temperature. Not available. Decomposition temperature. Not available. Not available. Viscosity Explosive properties Not available. Oxidising properties Not available

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory trait. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and



Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 7 / 10

403 - 81450 UV EDGEBENDING ZERO MATT 81450

SECTION 11. Toxicological information. />>

exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

2-Hydroxy-2-methylpropiophenon

LD50 (Oral). 2000 mg/Kg rat

dipropylenglykoldiacrylate

 LD50 (Oral).
 > 3530 mg/kg RAT

 LD50 (Dermal).
 > 2000 mg/kg RABBIT

 LC50 (Inhalation).
 > 3000 mg/Kg rat

2-Propenoic acid,

2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester

LD50 (Oral). > 5000 mg/kg rat LD50 (Dermal). > 2000 mg/kg rat LC50 (Inhalation). > 0.55 mg/l rat

Benzophenone

LD50 (Oral). 727 mg/kg mouse

1,6-HEXANEDIOL DIACRYLATE

LD50 (Oral). > 5000 mg/kg RAT LD50 (Dermal). 3560 mg/kg RABBIT

SECTION 12. Ecological information.

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity.

2-Hydroxy-2-methylpropiophenon

LC50 - for Fish. 160 mg/l/96h Leuciscus idus EC50 - for Crustacea. 119 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants. 1.95 mg/l/72h Desmodesmus subspicatus

dipropylenglykoldiacrylate

LC50 - for Fish. 10 mg/l/96h Brachydanio rerio EC50 - for Crustacea. 100 mg/l/48h Daphnia Magna

EC50 - for Algae / Aquatic Plants. 100 mg/l/72h Scenedesmus subspicatus

2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester

LC50 - for Fish. 0.87 mg/l/96h Brachydanio rerio EC50 - for Crustacea. 19.9 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants.

EC10 for Algae / Aquatic Plants.

18.8 mg/l/72h Desmodesmus subspicatus

1.9 mg/l/72h Desmodesmus subspicatus

Benzophenone

LC50 - for Fish.

15.3 mg/l/96h Pimephales promelas
EC50 - for Crustacea.

0.28 mg/l/48h Daphnia Magna
EC50 - for Algae / Aquatic Plants.

30.1 mg/l/72h Daphnia Magna

1,6-HEXANEDIOL DIACRYLATE

LC50 - for Fish. 1 mg/l/96h Leuciscus idus

EC50 - for Algae / Aquatic Plants. 1 mg/l/72h Scenedesmus subspicatus

12.2. Persistence and degradability.

2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester

Rapidly biodegradable.

Benzophenone

NOT rapidly biodegradable.

1,6-HEXANEDIOL DIACRYLATE Rapidly biodegradable.

12.3. Bioaccumulative potential.

Information not available.



403 - 81450 UV EDGEBENDING ZERO MATT 81450

Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 8 / 10

SECTION 12. Ecological information. .../>>

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR/RID Class: 9 UN: 3082

Packing Group:

Label:
9
Nr. Kemler:
90
Limited Quantity.
5 L
Tunnel restriction code.
(E)

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Propenoic acid,

2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester; Benzophenone)

Carriage by sea (shipping):

IMO Class: 9 UN: 3082

Packing Group: III
Label: 9
EMS: F-A, S-F
Marine Pollutant. YES

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Propenoic acid,

2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester; Benzophenone)

Transport by air:

Packaging instructions:

IATA: 9 UN: 3082

Packing Group: III Label: 9 Cargo:

Pass.:
Packaging instructions: 964 Maximum quantity: 450 L

964

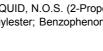
Special Instructions: A97, A158, A197

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Propenoic acid,

Maximum quantity:

2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediylester; Benzophenone)

450 I







403 - 81450 UV EDGEBENDING ZERO MATT 81450

Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 9 / 10

SECTION 15. Regulatory information.

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

Seveso category. None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point. 3

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Repr. 2 Reproductive toxicity, category 2

Acute Tox. 4 Acute toxicity, category 4

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Eye Dam. 1 Serious eye damage, category 1
Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2
Skin Sens. 1 Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H361f Suspected of damaging fertility.

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R22 HARMFUL IF SWALLOWED. R36/38 IRRITATING TO EYES AND SKIN.

R38 IRRITATING TO SKIN

R41 RISK OF SERIOUS DAMAGE TO EYES.

R43 MAY CAUSE SENSITISATION BY SKIN CONTACT.

R48/22 HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE IF SWALLOWED.
R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC

ENVIRONMENT.

R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC

ENVIRONMENT.

Repr. Cat. 3 Reproductive toxicity, fertility, category 3.
R62 POSSIBLE RISK OF IMPAIRED FERTILITY.



403 - 81450 UV EDGEBENDING ZERO MATT 81450

Revision nr.4 Dated 24/9/2018 Printed on 28/9/2018 Page n. 10 / 10

SECTION 16. Other information. .../>>

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
- 8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
- 9. The Merck Index. 10th Edition
- 10. Handling Chemical Safety
- 11. Niosh Registry of Toxic Effects of Chemical Substances
- 12. INRS Fiche Toxicologique (toxicological sheet)
- 13. Patty Industrial Hygiene and Toxicology
- 14. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 15. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

02 / 11 / 12 / 13 / 14 / 16.