

**MX<sup>2</sup> Matte Ceramic Paint Protector**

Date of compilation: 14/02/2023


Revised: 02/10/2023

Version: 3 (Replaced 2)

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

- 1.1 Product identifier:** MX<sup>2</sup> Matte Ceramic Paint Protector
- Other means of identification:**
- UFI:** HYH3-DDQT-S00K-9SQG
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses: Vehicle Underseal; water repeller. For professional users/industrial user only.
- Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
- GARDX INTERNATIONAL LTD  
LAKE HOUSE, 2 PORT WAY, PORT SOLENT,  
PO6 4TY PORTSMOUTH - UNITED KINGDOM  
Phone: +44 (0)1243 376426  
product@gardx.co.uk  
www.gardx.co.uk
- AUTOMOTOSOL S.R.O  
RYBNÁ 716/24  
PRAHA 1  
110 00  
CZECH REPUBLIC
- +420 222 703288
- 1.4 Emergency telephone number:** CNN: 1012486. For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call chemtrec @ +44 2038850382. Emergency medical information: (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Members of the public Number (8am-10pm): +353 (0)1 809 2166. Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

**SECTION 2: HAZARDS IDENTIFICATION \*\***

- 2.1 Classification of the substance or mixture:**
- CLP Regulation (EC) No 1272/2008:**
- Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Asp. Tox. 1: Aspiration hazard, Category 1, H304  
Eye Irrit. 2: Eye irritation, Category 2, H319  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Skin Irrit. 2: Skin irritation, Category 2, H315  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Danger
- 
- Hazard statements:**
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Skin Irrit. 2: H315 - Causes skin irritation.  
STOT SE 3: H336 - May cause drowsiness or dizziness.
- Precautionary statements:**

\*\* Changes with regards to the previous version

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### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/eye protection/face protection.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
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.  
P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

#### Supplementary information:

EUH208: Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

#### Substances that contribute to the classification

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics; Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclics, <2% aromatics

#### 2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

\*\* Changes with regards to the previous version

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Non-applicable

#### 3.2 Mixture:

**Chemical description:** Mixture of polymers, dispersants and organic compounds

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: Non-applicable EC: 927-632-8 Index: Non-applicable REACH: 01-2119457736-27-XXXX	<b>Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Asp. Tox. 1: H304; EUH066 - Danger	50 - <75 %
CAS: Non-applicable EC: 927-241-2 Index: Non-applicable REACH: 01-2119471843-32-XXXX	<b>Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclics, &lt;2% aromatics<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Danger	25 - <50 %
CAS: 475645-84-2 EC: Non-applicable Index: Non-applicable REACH: Non-applicable	<b>Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Flam. Liq. 2: H225; Skin Corr. 1B: H314; Water-react. 3: H261 - Danger	1 - <3 %
CAS: 919-30-2 EC: 213-048-4 Index: 612-108-00-0 REACH: 01-2119480479-24-XXXX	<b>3-aminopropyltriethoxysilane<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	<1 %

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
3-aminopropyltriethoxysilane	LD50 oral 1491 mg/kg	Rat
CAS: 919-30-2	LD50 dermal Not relevant	
EC: 213-048-4	LC50 inhalation Not relevant	

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**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

**By ingestion/aspiration:**

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Not relevant

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:****Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**5.2 Special hazards arising from the substance or mixture:**

Contains substances that react with water producing extremely flammable gases.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

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**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and material for containment and cleaning up:**

DO NOT USE WATER TO CLEAN.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:****A.- General precautions for safe use**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

**B.- Technical recommendations for the prevention of fires and explosions**

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137 / The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776). Consult section 10 for conditions and materials that should be avoided.

**C.- Technical recommendations on general occupational hygiene**

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

**D.- Technical recommendations to prevent environmental risks**

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:****A.- Technical measures for storage**

Minimum Temp.: 4 °C

Maximum Temp.: 40 °C

**B.- General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace:

There are no applicable occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 927-241-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	77 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	871 mg/m <sup>3</sup>	Not relevant
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14 mg/m <sup>3</sup>	Not relevant

**DNEL (General population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 927-241-2	Oral	Not relevant	Not relevant	46 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	46 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	185 mg/m <sup>3</sup>	Not relevant
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	Oral	Not relevant	Not relevant	1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.5 mg/m <sup>3</sup>	Not relevant



**PNEC:**

Identification					
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	STP	1.3 mg/L	Fresh water	Not relevant	
	Soil	Not relevant	Marine water	Not relevant	
	Intermittent	Not relevant	Sediment (Fresh water)	Not relevant	
	Oral	Not relevant	Sediment (Marine water)	Not relevant	





**8.2 Exposure controls:**
**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A2)	 CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

**C.- Specific protection for the hands**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Neoprene, Breakthrough time: > 480 min, Thickness: 0.1 mm, Conditions of use: Normal)	 CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.1 mm, Conditions of use: Normal)	 CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

#### E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2002 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN ISO 13287:2020 EN ISO 20345:2011	Replace boots at any sign of deterioration.

#### F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

#### Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1 Information on basic physical and chemical properties:

##### Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Transparent
Color:	Colourless
Odor:	Ammoniacal
Odour threshold:	Not relevant *

##### Volatility:

Boiling point at atmospheric pressure:	224 °C
Vapour pressure at 20 °C:	88 Pa
Vapour pressure at 50 °C:	687.13 Pa (0.69 kPa)
Evaporation rate at 20 °C:	Not relevant *

##### Product description:

Density at 20 °C:	0.8 kg/m <sup>3</sup>
Relative density at 20 °C:	0.795 - 0.815
Dynamic viscosity at 20 °C:	Not relevant *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	<20.49 mm <sup>2</sup> /s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Insoluble in water
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

#### Flammability:

Flash Point:	≥28 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	300 °C
Lower flammability limit:	Not available
Upper flammability limit:	Not available

#### Particle characteristics:

Median equivalent diameter:	Non-applicable
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#### 9.2 Other information:

##### Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

#### Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

#### 10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Precaution

#### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Precaution	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

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**SECTION 10: STABILITY AND REACTIVITY (continued)****10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

**A- Ingestion (acute effect):**

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

**B- Inhalation (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**C- Contact with the skin and the eyes (acute effect):**

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

**F- Specific target organ toxicity (STOT) - single exposure:**

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

**H- Aspiration hazard:**

May be fatal if swallowed and enters airways.

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam CAS: 475645-84-2 EC: Non-applicable	LD50 oral	>301 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 927-632-8	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	LD50 oral	1491 mg/kg	Rat
	LD50 dermal	4000 mg/kg	Rabbit
	LC50 inhalation		

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

**12.1 Toxicity:**

**Acute toxicity:**

Identification	Concentration	Species	Genus
Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 927-241-2	LC50 >10 - 100 mg/L (96 h)		Fish
	EC50 >10 - 100 mg/L (48 h)		Crustacean
	EC50 >10 - 100 mg/L (72 h)		Algae
Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam CAS: 475645-84-2 EC: Non-applicable	LC50 >10 - 100 mg/L (96 h)		Fish
	EC50 >10 - 100 mg/L (48 h)		Crustacean
	EC50 >10 - 100 mg/L (72 h)		Algae
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	LC50 934 mg/L (96 h)	Danio rerio	Fish
	EC50 331 mg/L (48 h)	N/A	Crustacean
	EC50 603 mg/L (72 h)	Desmodesmus subspicatus	Algae

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability		Biodegradability	
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	67 %

**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Not available

Insoluble in water

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**
**12.7 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**
**13.1 Waste treatment methods:**
**Type of waste (Regulation (EU) No 1357/2014):**

Not relevant

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**
**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:



- |  |  |
|--|--|
| <b>14.1 UN number or ID number:</b>                                  | UN1993   |
| <b>14.2 UN proper shipping name:</b>                                 | FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics) |
| <b>14.3 Transport hazard class(es):</b>                              | 3  |
| Labels:  | 3  |
| <b>14.4 Packing group:</b>   | III  |
| <b>14.5 Environmental hazards:</b>                                   | No   |
| <b>14.6 Special precautions for user</b>                             |  |
| Special regulations:   | 274, 601   |
| Tunnel restriction code:   | D/E  |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | 5 L  |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant   |

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:



- |  |  |
|--|--|
| <b>14.1 UN number or ID number:</b>                                  | UN1993   |
| <b>14.2 UN proper shipping name:</b>                                 | FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics) |
| <b>14.3 Transport hazard class(es):</b>                              | 3  |
| Labels:  | 3  |
| <b>14.4 Packing group:</b>   | III  |
| <b>14.5 Marine pollutant:</b>  | No   |
| <b>14.6 Special precautions for user</b>                             |  |
| Special regulations:   | 274, 223, 955  |
| EmS Codes:   | F-E, S-E   |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | 5 L  |
| Segregation group:   | Not relevant   |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant   |

- CONTINUED ON NEXT PAGE -

### MX<sup>2</sup> Matte Ceramic Paint Protector

Date of compilation: 14/02/2023      Revised: 02/10/2023      Version: 3 (Replaced 2)

#### SECTION 14: TRANSPORT INFORMATION (continued)

##### Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



<b>14.1 UN number or ID number:</b>	UN1993
<b>14.2 UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics)
<b>14.3 Transport hazard class(es):</b>	3
Labels:	3
<b>14.4 Packing group:</b>	III
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user</b>	
Physico-Chemical properties:	see section 9
<b>14.7 Maritime transport in bulk according to IMO instruments:</b>	Not relevant

#### SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

##### Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c		5000	50000

##### Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

##### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

##### Other legislation:

Chemicals (Amendment) Act 2010 (No. 32 of 2010) as amended by S.I. No. 623/2015- Safety, Health and Welfare at Work (Chemical Agents) (Amendment) Regulations 2015  
Chemicals Act 2008 (No. 13 of 2008)  
Safety, Health and Welfare (chemical agents) (amendment) regulations 2021 (S.I. No. 232 of 2021) and associated Code of Practice  
Chemical Agents Regulations (S.I. No. 619 of 2001)  
European Communities (Waste Directive) Regulations, S.I. No. 126 of 2011  
S.I. No. 315/2016 - European Union (Waste Directive) (Amendment) Regulations 2016.  
S.I. No. 323/2020 - European Union (Waste Directive) Regulations 2020  
Chemicals Act (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2015 (S.I. No. 209 of 2015)  
The Chemicals Act (CLP Regulation) Regulations 2011 (S.I. No. 102 of 2011)

##### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

#### SECTION 16: OTHER INFORMATION

##### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

##### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

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**MX<sup>2</sup> Matte Ceramic Paint Protector**

Date of compilation: 14/02/2023

Revised: 02/10/2023

Version: 3 (Replaced 2)

**SECTION 16: OTHER INFORMATION (continued)**

Substances that contribute to the classification (SECTION 2):

· New declared substances

Hydrocarbons, C9-C10,n-alkanes, iso-alkanes, cyclics, <2% aromatics

**Texts of the legislative phrases mentioned in section 2:**

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

H336: May cause drowsiness or dizziness.

H304: May be fatal if swallowed and enters airways.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Dam. 1: H318 - Causes serious eye damage.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Water-react. 3: H261 - In contact with water releases flammable gases.

**Classification procedure:**

Skin Irrit. 2: Calculation method

Aquatic Chronic 3: Calculation method

STOT SE 3: Calculation method

Asp. Tox. 1: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Eye Irrit. 2: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -