# MAX(° CEAD

#### Safety data sheet

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## **MAXX GEAR Metal Putty - Styrene Free**



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

**1.1 Product identifier:** MAXX GEAR Metal Putty - Styrene Free

Other means of identification:

EAN: 6418091141511

**UFI:** STDY-M80D-4302-YWAT

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

Relevant uses (Consumer use): Filler/Putty Relevant uses (Professional users): Filler/Putty Relevant uses (Industrial user): Filler/Putty

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:

Rakennuskemia Oy Kerkkolankatu 17

05800 Hyvinkää - Finland Phone: +358 19 4574400 info@rakennuskemia.com www.rakennuskemia.com

**1.4 Emergency telephone number:** Emergency: 112

Please refer to your country/region for local poison center contact information.

Poison Center info can be found online at:

https://poisoncentres.echa.europa.eu/appointed-bodies

## 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

Eye Irrit. 2: Eye irritation, Category 2, H319 Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

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

#### Warning





#### **Hazard statements:**

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

Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation.

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

## **Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

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

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

P280: Wear protective gloves/eye protection.

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

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

P501: Dispose of contents / container in accordance with regional regulations.

Substances that contribute to the classification

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<sup>\*\*</sup> Changes with regards to the previous version



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

Fatty acids, C14-18 and C16-18-unsatd., maleated; Reaction mass of 2,2´-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-; maleic anhydride

UFI: STDY-M80D-4302-YWAT

#### 2.3 Other hazards:

Product does not meet PBT/vPvB criteria

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Not relevant

#### 3.2 Mixture:

Chemical description: Mixture of substances

**Components:** 

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

|                         | Identification  |                       | Chemical name/Classification  | Concentration |
|-------------------------|---|-----------------------|---|---------------|
| CAS:                    | 25013-15-4  | Vinyltoluene(1)       | Table 3 of Annex VI (Regulation nº 1272/2008)   |               |
| EC:<br>Index:<br>REACH: | 246-562-2<br>Not relevant<br>01-2119622074-50-<br>XXXX        | Regulation 1272/2008  | Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Danger  | 10 - <12.5%   |
| CAS:                    | 85711-46-2  | Fatty acids, C14-18 a | and C16-18-unsatd., maleated(1) Table 3 of Annex VI (Regulation no 1272/2008)   |               |
| EC:<br>Index:<br>REACH: | 288-306-2<br>Not relevant<br>01-2119976378-19-<br>XXXX        | Regulation 1272/2008  | Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning   | 0.1 - <0.5%   |
| CAS:<br>EC:<br>Index:   | Not relevant<br>911-490-9<br>Not relevant<br>01-2119979579-10 |                       | '-[(4-methylphenyl)imino] Table 3 of Annex VI (Regulation no 1272/2008) all 2-[[2-(2-hydroxyethoxy)ethyl] ino]-(1)                    |               |
| REACH:                  | 01-21199/95/9-10  | Regulation 1272/2008  | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger                       | 0.1 - <0.5%   |
| CAS:                    | 108-31-6  | maleic anhydride(1)   | ATP ATP13   |               |
| EC:<br>Index:<br>REACH: | 203-571-6<br>607-096-00-9<br>01-2119472428-31-<br>XXXX        | Regulation 1272/2008  | Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1A: H317; STOT RE 1: H372; EUH071 - Danger | 0.1 - <0.5%   |

<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.

#### Other information:

| Identification                                     | Specific concentration limit          |  |
|--|---------------------------------------|--|
| maleic anhydride<br>CAS: 108-31-6<br>EC: 203-571-6 | % (w/w) >=0.001: Skin Sens. 1A - H317 |  |

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 |
|-----------------|------------------------|--------------|-------|
| Vinyltoluene    | LD50 oral              | Not relevant |       |
| CAS: 25013-15-4 | LD50 dermal            | Not relevant |       |
| EC: 246-562-2   | LC50 inhalation vapour | 11 mg/L      |       |

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

#### 4.1 Description of first aid measures:

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## SECTION 4: FIRST AID MEASURES (continued)

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:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

#### 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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

## 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:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

## 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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

## **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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

#### For emergency responders:

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:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

#### 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). 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.- Specific storage requirements

Maximum Temp.: 30 °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

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

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

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

#### **DNEL (Workers):**

|  |            | Short exposure        |                       | Long exposure           |                         |
|--|------------|-----------------------|-----------------------|-------------------------|-------------------------|
| Identification                                   |            | Systemic              | Local                 | Systemic                | Local                   |
| Fatty acids, C14-18 and C16-18-unsatd., maleated | Oral       | Not relevant          | Not relevant          | Not relevant            | Not relevant            |
| CAS: 85711-46-2                                  | Dermal     | Not relevant          | Not relevant          | 3 mg/kg                 | Not relevant            |
| EC: 288-306-2                                    | Inhalation | Not relevant          | Not relevant          | Not relevant            | Not relevant            |
| maleic anhydride                                 | Oral       | Not relevant          | Not relevant          | Not relevant            | Not relevant            |
| CAS: 108-31-6                                    | Dermal     | Not relevant          | Not relevant          | Not relevant            | Not relevant            |
| EC: 203-571-6                                    | Inhalation | 0,2 mg/m <sup>3</sup> | 0,2 mg/m <sup>3</sup> | 0,081 mg/m <sup>3</sup> | 0,081 mg/m <sup>3</sup> |

## **DNEL (General population):**

|  |            | Short e      | xposure      | Long ex      | xposure      |
|--|------------|--------------|--------------|--------------|--------------|
| Identification                                   |            | Systemic     | Local        | Systemic     | Local        |
| Fatty acids, C14-18 and C16-18-unsatd., maleated | Oral       | Not relevant | Not relevant | 1,5 mg/kg    | Not relevant |
| CAS: 85711-46-2                                  | Dermal     | Not relevant | Not relevant | 1,5 mg/kg    | Not relevant |
| EC: 288-306-2                                    | Inhalation | Not relevant | Not relevant | Not relevant | Not relevant |

#### PNEC:

| Identification                                   |              |              |                         |              |
|--|--------------|--------------|-------------------------|--------------|
| Fatty acids, C14-18 and C16-18-unsatd., maleated | STP          | Not relevant | Fresh water             | Not relevant |
| CAS: 85711-46-2                                  | Soil         | Not relevant | Marine water            | Not relevant |
| EC: 288-306-2                                    | Intermittent | Not relevant | Sediment (Fresh water)  | Not relevant |
|  | Oral         | 0,067 g/kg   | Sediment (Marine water) | Not relevant |
| maleic anhydride                                 | STP          | 44,6 mg/L    | Fresh water             | 0,038 mg/L   |
| CAS: 108-31-6                                    | Soil         | 0,037 mg/kg  | Marine water            | 0,004 mg/L   |
| EC: 203-571-6                                    | Intermittent | 0,379 mg/L   | Sediment (Fresh water)  | 0,296 mg/kg  |
|  | Oral         | Not relevant | Sediment (Marine water) | 0,03 mg/kg   |

## 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<br>respiratory tract<br>protection | Filter mask for gases and vapours (Filter type: A) | 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<br>(Material: Nitrile,<br>Breakthrough time: > 480<br>min, Thickness: 0.4 mm) | 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.



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## **MAXX GEAR Metal Putty - Styrene Free**

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

#### D.- Eye and face protection

| Pictogram                 | PPE  | Labelling | CEN Standard                    | Remarks   |
|---------------------------|--|-----------|---------------------------------|---|
| Mandatory face protection | Panoramic glasses against<br>splash/projections. | CATII     | EN 166:2002<br>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                        | CAT III   | EN 1149-1:2007<br>EN 1149-2:1998<br>EN 1149-3:2004<br>UNE-EN ISO 18526-1 al<br>4:2020<br>EN ISO 14116:2015<br>EN 1149-5:2018 | Limited protection against flames.          |
| Mandatory foot protection          | Safety footwear with<br>antistatic and heat resistant<br>properties | CAT III   | EN ISO 13287:2020<br>EN ISO 20345:2022   | Replace boots at any sign of deterioration. |

#### F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

| Emergency measure | Standards                                       | Emergency measure | Standards                                      |
|-------------------|---|-------------------|--|
| *                 | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <b>→</b>          | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |
| Emergency shower  |   | Eyewash stations  |  |

## **Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

## Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 12,5 % weight V.O.C. density at 20 °C: Not relevant

Average carbon number:

Average molecular weight: 118,2 g/mol

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

**Appearance:** 

Physical state at 20 °C: Liquid Appearance: Paste

Colour: According to the markings on the package

Odour: Characteristic
Odour threshold: Not relevant \*

**Volatility:** 

Boiling point at atmospheric pressure: 170 °C

 ${}^*\mathrm{Not}$  relevant due to the nature of the product, not providing information property of its hazards.

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Not relevant \*

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

Vapour pressure at 20 °C: Not relevant \* Vapour pressure at 50 °C: Not relevant \* Not relevant \* Evaporation rate at 20 °C:

**Product description:** 

Density at 20 °C: Not relevant \*

1.8 Relative density at 20 °C:

Dynamic viscosity at 20 °C: Not relevant \* Kinematic viscosity at 20 °C: 60 mm<sup>2</sup>/s Kinematic viscosity at 40 °C: >20,5 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: **Immiscible** Decomposition temperature: Not relevant \*

Flammability:

Flash Point: 52 °C (Does not maintain combustion)

Flammability (solid, gas): Not relevant \* 480 °C Autoignition temperature:

Lower flammability limit: 1,2 % Volume Upper flammability limit: 8,9 % Volume

**Particle characteristics:** 

Melting point/freezing point:

Median equivalent diameter: Not relevant \*

9.2 Other information:

## Information with regard to physical hazard classes:

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

components:

Other safety characteristics:

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

VOC (EC) 189.0 g/l VOC-EU% 10.50 %

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

\*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.

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## SECTION 10: STABILITY AND REACTIVITY (continued)

## 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 | Not applicable |

#### 10.5 Incompatible materials:

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

#### 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. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
  - Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- 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.

    IARC: Vinyltoluene (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. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
  - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single 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.



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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- 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. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
  - Skin: 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.
- H- Aspiration hazard:

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.

#### Other information:

Not relevant

#### Specific toxicology information on the substances:

| Identification   | Acute toxic            | ity         | Genus |
|--|------------------------|-------------|-------|
| Vinyltoluene   | LD50 oral              | >5000 mg/kg | Rat   |
| CAS: 25013-15-4  | LD50 dermal            | >2000 mg/kg |       |
| EC: 246-562-2  | LC50 inhalation vapour | 11 mg/L     |       |
| Fatty acids, C14-18 and C16-18-unsatd., maleated   | LD50 oral              | >2000 mg/kg |       |
| CAS: 85711-46-2  | LD50 dermal            | >2000 mg/kg |       |
| EC: 288-306-2  | LC50 inhalation vapour | >20 mg/L    |       |
| Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- | LD50 oral              | 619 mg/kg   | Rat   |
| CAS: Not relevant  | LD50 dermal            | >2000 mg/kg |       |
| EC: 911-490-9  | LC50 inhalation vapour | >20 mg/L    |       |
| maleic anhydride   | LD50 oral              | 1090 mg/kg  | Rat   |
| CAS: 108-31-6  | LD50 dermal            | >2000 mg/kg |       |
| EC: 203-571-6  | LC50 inhalation dust   | >5 mg/L     |       |

## 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      |
|--|------|-----------------|---------------------------|------------|
| Vinyltoluene   | LC50 | 7,6 mg/L (96 h) | Salmo gairdneri           | Fish       |
| CAS: 25013-15-4  | EC50 | 1,3 mg/L (48 h) | Daphnia magna             | Crustacean |
| EC: 246-562-2  | EC50 | 2,6 mg/L (72 h) | Selenastrum capricornutum | Algae      |
| Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- | LC50 | Not relevant    |                           |            |
| CAS: Not relevant  | EC50 | 48 mg/L (48 h)  | Daphnia magna             | Crustacean |
| EC: 911-490-9  | EC50 | Not relevant    |                           |            |

#### **Chronic toxicity:**

| Identification                | Concentration |           | Species       | Genus      |
|-------------------------------|---------------|-----------|---------------|------------|
| Vinyltoluene                  | NOEC          | 1,16 mg/L | N/A           | Fish       |
| CAS: 25013-15-4 EC: 246-562-2 | NOEC          | 0,32 mg/L | Daphnia magna | Crustacean |



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## **MAXX GEAR Metal Putty - Styrene Free**

## SECTION 12: ECOLOGICAL INFORMATION (continued)

#### 12.2 Persistence and degradability:

## **Substance-specific information:**

| Identification   | Degradability |              | Biodegradability |            |
|--|---------------|--------------|------------------|------------|
| Reaction mass of 2,2´-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- | BOD5          | Not relevant | Concentration    | 18 mg/L    |
| CAS: Not relevant  | COD           | Not relevant | Period           | 29 days    |
| EC: 911-490-9  | BOD5/COD      | Not relevant | % Biodegradable  | 1,5 %      |
| maleic anhydride   | BOD5          | Not relevant | Concentration    | 33.33 mg/L |
| CAS: 108-31-6  | COD           | Not relevant | Period           | 29 days    |
| EC: 203-571-6  | BOD5/COD      | Not relevant | % Biodegradable  | 98,19 %    |

#### 12.3 Bioaccumulative potential:

#### **Substance-specific information:**

| Identification  | Bioaccumulation potential |       |  |
|---|---------------------------|-------|--|
| Vinyltoluene  | BCF                       | 5     |  |
| CAS: 25013-15-4   | Pow Log                   | 3.44  |  |
| EC: 246-562-2   | Potential                 | Low   |  |
| Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]- | BCF                       |       |  |
| CAS: Not relevant   | Pow Log                   | 2.17  |  |
| EC: 911-490-9   | Potential                 |       |  |
| maleic anhydride  | BCF                       |       |  |
| CAS: 108-31-6   | Pow Log                   | -2.61 |  |
| EC: 203-571-6   | Potential                 |       |  |

## 12.4 Mobility in soil:

| Identification   | Absorption/desorption |                          | Volatility |                |
|--|-----------------------|--------------------------|------------|----------------|
| Vinyltoluene   | Koc                   | Not relevant             | Henry      | Not relevant   |
| CAS: 25013-15-4  | Conclusion            | Not relevant             | Dry soil   | Not relevant   |
| EC: 246-562-2  | Surface tension       | 3,2E-2 N/m (20 °C)       | Moist soil | Not relevant   |
| Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- | Кос                   | 214                      | Henry      | Not relevant   |
| CAS: Not relevant  | Conclusion            | Moderate                 | Dry soil   | Not relevant   |
| EC: 911-490-9  | Surface tension       | Not relevant             | Moist soil | Not relevant   |
| maleic anhydride   | Koc                   | 42                       | Henry      | 0E+0 Pa·m³/mol |
| CAS: 108-31-6  | Conclusion            | Very High                | Dry soil   | Not relevant   |
| EC: 203-571-6  | Surface tension       | 1,673E-2 N/m (250,21 °C) | Moist soil | Not relevant   |

## 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.

#### 12.7 Other adverse effects:

Not described

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods:

| Code | Description   | Waste class (Regulation (EU) No<br>1357/2014) |  |
|------|---|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Hazardous                                     |  |

Type of waste (Regulation (EU) No 1357/2014):

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## SECTION 13: DISPOSAL CONSIDERATIONS (continued)

HP3 Flammable, HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

## 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/EC) 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 2025 and RID 2025:

3

**14.1 UN number or ID number:** UN3269

**14.2 UN proper shipping name:** POLYESTER RESIN KIT, liquid base material

**14.3 Transport hazard class(es):** 3 Labels: 3

14.4 Packing group: III14.5 Environmental hazards: No

14.6 Special precautions for user

Special regulations: 236, 340
Tunnel restriction code: E

Physico-Chemical properties: see section 9

Limited quantities: 5 L

14.7 Maritime transport in bulk according to IMO

instruments:

Not relevant

## Transport of dangerous goods by sea:

With regard to IMDG 41-22:

**14.1 UN number or ID number:** UN3269

**14.2 UN proper shipping name:** POLYESTER RESIN KIT, liquid base material

**14.3 Transport hazard class(es):** 3 Labels: 3

14.4Packing group:III14.5Marine pollutant:No

14.6 Special precautions for user

Special regulations: 340, 236
EmS Codes: F-E, S-D
Physico-Chemical properties: see section 9

Limited quantities: 5 L

Segregation group: Not relevant

Maritime transport in bulk Not relevant

14.7 Maritime transport in bulk according to IMO

according to IMO instruments:

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:

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## **MAXX GEAR Metal Putty - Styrene Free**







UN3269 14.1 UN number or ID number:

14.2 UN proper shipping name: POLYESTER RESIN KIT, liquid base material

Nο

14.3 Transport hazard class(es):

Labels: 3 14.4 Packing group: III 14.5 Environmental hazards:

14.6 Special precautions for user

Physico-Chemical properties: see section 9

14.7 Maritime transport in bulk

according to IMO instruments:

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 (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, 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     | FLAMMABLE LIQUIDS | 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:

The product could be affected by sectorial legislation

## 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:

The SDS shall be supplied in an official language of the country where the product is placed on the market. 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.:

Substances that contribute to the classification (SECTION 2):

· New declared substances

maleic anhydride (108-31-6)

Fatty acids, C14-18 and C16-18-unsatd., maleated (85711-46-2)

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)

Texts of the legislative phrases mentioned in section 2:

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## SECTION 16: OTHER INFORMATION (continued)

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

## 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.

Acute Tox. 4: H332 - Harmful if inhaled.

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. Eye Irrit. 2: H319 - Causes serious eye irritation.

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

Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Skin Irrit. 2: H315 - Causes skin irritation.

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

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

## 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.