

Revision 2, dated 10/02/2017

REACH Regulation n° 1907/2006 prescribes a Material Safety Data Sheet (SDS) for dangerous substances and mixtures. The material subject of this document is a non-hazardous mixture and a mandatory safety data sheet is not required.

With this **Information Sheet of Use**, Taro Plast wants to provide their customers with *"the necessary information to enable the identification and implementation of appropriate measures for risk management"*.

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name:

**TAROLON**

(see product list at point 16)

Use: polymeric compound – industrial use

Company:

TARO PLAST SPA

Strada Diolo 57/A

I-43019 Soragna (PR)

Tel. +39 0524596711

Fax +39 0524599084

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Emergency telephone number of the company and/or of an authorised advisory centre:

office hours (8:30 to 17:00)

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## 2. HAZARDS IDENTIFICATION

Mixture is not classified as hazardous according to European Regulation 1272/2008/CE and its amendments.

No specific hazards are encountered under normal product use.

Contact with molten product may cause thermal burns.

Spilled product may cause a slipping hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Polymeric compound PC (polycarbonate) [Poly (bisphenol-A carbonate)] based.

Hazardous components within the meaning of European Regulation 1272/2008/CE and following amendments thereof and corresponding classification:

none

## 4. FIRST AID MEASURES

General information:

At room temperature, solid product is neither irritant nor gives off hazardous vapours.

Contact with skin:

Product, at ambient conditions, is not expected to be hazardous by skin contact. Should irritation occur, rinse with water and soap.

In case of contact with molten material, wash with plenty of water. Do not attempt to remove solidified polymer from skin.

Contact with eyes:

In case of irritation caused by fine dust, rinse with water until irritation disappears.

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In case of contact with molten plastic, wash immediately with cold water and seek medical attention.

Swallowing:

No specific measures. Seek a medical examination and present the safety-data sheet.

Inhalation:

Product fine dust may cause mild respiratory irritation. Ventilate the premises.

In case of irritation from inhalation of processing fumes, remove the patient from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

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### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

Water spray, CO<sub>2</sub>, Foam, Chemical powders, (sand or earth only for small fires), according to the materials involved in the fire.

Extinguishers not to be used:

Strong water jet.

Risks arising from combustion:

Avoid inhaling the fumes. Combustion products: carbon monoxide (CO), nitrogen oxide (NO<sub>2</sub>).

Protective equipment:

Use protection for the respiratory tract.

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### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing, while handling molten material.

Spilled product may cause a slipping hazard.

Environmental measures:

Limit leakages in the environment. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities. The product floats in water and remains in the soil surface.

Cleaning methods:

Meccanically recover the product for re-use if possible, or for elimination.

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### 7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. Use gloves and protective clothing, while handling molten material. Do not eat or drink while working.

See, too, paragraph 8 below.

Take proper precautions when transferring, including grounding all equipment and providing an inert atmosphere to prevent electrostatic charge formation. Avoid dust accumulation.

Incompatible materials:

None in particular.

Storage conditions:

Store in closed containers in a dry place, not exposed to direct sunlight. Avoid extreme heat.

Avoid all sources of ignition: heat, sparks, open flame.

Instructions as regards storage premises:

Adequately ventilated premises.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

When using, do not eat, drink or smoke. Keep separated from food stuffs and feed stocks.

Respiratory protection:

Not needed for normal use. Use protection for the respiratory tract during hot melt conditions.

Protection for hands:

Not needed for normal use. Wear gloves to prevent contact during hot melt conditions.

Eye protection:

Not needed for normal use. Wear safety goggles to avoid eye contact with molten material.

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Protection for skin:

No special precaution must be adopted for normal use. Wear protective clothing to prevent contact during hot melt conditions.

Exposure limit(s) (ACGIH):

None.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	solid granulated – different colours
Odour:	nearly odourless
pH:	N.A.
Melting point:	~135°C
Decomposition point:	350° - 400°C
Boiling point:	N.A.
Solid/gas flammability:	N.A.
Oxidizing properties:	N.A.
Vapour pressure:	N.A.
Relative density (at 23°C):	1.2 – 1.3 g/cm <sup>3</sup>
Solubility in water:	INSOLUBLE
Lipid solubility:	N.A.
Self-flammability:	> 550°C
Partition c. (n-octanol/H <sub>2</sub> O):	N.A.
Vapour density:	N.A.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions. Thermal decomposition at temperature > 350 °C.

During processing do not exceed melt temperature recommendations. If used in accordance with the conditions set out in the specification or in the technical details, no decomposition occurs.

Substances to avoid:

None in particular.

Hazardous decomposition products:

The product used in hot melt conditions can lead to the formation of carbon monoxide, carbon dioxide, aromatic and aliphatic hydrocarbons, acids, phenol and phenol derivatives.

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## 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation. Set out below is the toxicological information relating to the main substances in the preparation:

The product does not contain toxicologically relevant substances.

Due to its chemical and physical properties, the product does not appear to possess any toxicological properties which would require special handling other than the good industrial hygiene and safety practice employed with any industrial material of this type.

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## 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

Non-biodegradable. The product floats in water and remains in the soil surface.

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## 13. DISPOSAL CONSIDERATIONS

Recover if possible. This product is not regarded as hazardous waste. Dispose in accordance with the local and national regulations currently in force.

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## 14. TRANSPORT INFORMATION

The product should not be considered as dangerous good under transport regulations.

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## 15. REGULATORY INFORMATION

Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regolamento (UE) n. 1221/2015 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

The product should not be considered as dangerous accordingly to Regulation 1272/2008/CE (CLP) and subsequent amendments.

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

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## 16. OTHER INFORMATION

This document is valid for the materials listed below:

TAROLON 1500 – 2000 – 2500 - 3000

TAROLON 1511 - 2011 – 2511 – 3011 - 3211

TAROLON 1520 - 2020 – 2520 – 3020

available versions: H, L, W, W X2, W2 X2, X1, Z1, DB, G\* (where G = glass fiber, \* = from 1 to 10)

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

# Information Sheet of Use

Issued by: Product Safety Dept.

This document cancels and replaces any preceding release.