

## Safety Data Sheet

according to EC Regulation n. 1907/2006 (REACH) – EU Regulation n. 830/2015

Version 3, dated 03/01/2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: **NILENE E V2 LBAF - NILENE P V2 LBAF**  
(see product list at point 16)

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Polymeric compound – industrial use

1.3. Details of the supplier of the safety data sheet

Company:

TARO PLAST SPA

Strada Diolo 57/A

I-43019 Soragna (PR)

Tel. +39 0524596711

Fax +39 0524599084

e-mail: [taroplast@taroplast.com](mailto:taroplast@taroplast.com)

Competent person responsible for the safety data sheet:

[taroplast@taroplast.com](mailto:taroplast@taroplast.com)

1.4. Emergency telephone number

office hours (8:30 to 17:00)

Tel. +39 0524596711

Fax +39 0524599084

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

The product does not need to be labeled according to Regulation EC 1272/2008 (CLP) art. 23 - (Annex I – 1.3.4)

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Contains

1,1'-(1,1,2,2-tetrametiletilen)dibenzene: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

Spilled product may cause a slipping hazard.

Contact with molten product may cause thermal burns

The mixture consists of an inert polymer containing specific components, any risk of contamination related to them are minimized, since such components are dispersed and completely incorporated in the base polymer.

### SECTION 3: Composition/information on ingredients

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## 3.1. Substances

N.A.

## 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
0.5%	1,1'-(1,1,2,2-tetrametile tilen)dibenzene	CAS: 1889-67-4 EC: 217-568-2 REACH No.: 01-21199718 24-27-0000	 3.4.2/1 Skin Sens. 1 H317

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

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.

In case of eyes contact:

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

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

In case of Ingestion:

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

In case of 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.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None in particular

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

Direct water spray

### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke. Combustion products. Combustion products: carbon monoxide, carbon dioxide, dense and opaque smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Avoid the formation of dust

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- Remove all sources of ignition.
- Remove persons to safety.
- See protective measures under point 7 and 8.

## 6.2. Environmental precautions

- Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
- Retain contaminated washing water and dispose it.
- 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.
- Suitable material for taking up: absorbing material, organic, sand

## 6.3. Methods and material for containment and cleaning up

- Meccanically recover the product for re-use if possible, or for elimination.
- Wash with plenty of water.

## 6.4. Reference to other sections

- See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Take proper precautions when transferring, including grounding all equipment and providing an inert atmosphere to prevent electrostatic charge formation. Avoid dust accumulation.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recomened protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

- 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.
- Keep away from food, drink and feed.
- Incompatible materials:  
None in particular.
- Instructions as regards storage premises:  
Adequately ventilated premises.

### 7.3. Specific end use(s)

- None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- No occupational exposure limit available

#### DNEL Exposure Limit Values

N.A.

#### PNEC Exposure Limit Values

N.A.

### 8.2. Exposure controls

#### Eye protection:

- Not needed for normal use. Anyway, operate according good working practices.

#### Protection for skin:

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

#### Protection for hands:

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

#### Respiratory protection:

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

#### Thermal Hazards:

- Contact with molten product may cause thermal burns

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Environmental exposure controls:

None

Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	solid granulated – different colours	--	--
Odour:	odourless	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / range:	140 – 170°C	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	>0.9 g/cm <sup>3</sup>	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	>320°C	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

During processing do not exceed melt temperature recommendations.

### 10.2. Chemical stability

Stable under normal conditions. Thermal decomposition over 320 °C (see section 7 – Storage and handling recommendations)

### 10.3. Possibility of hazardous reactions

No hazardous reactions known. The product is chemically stable.

### 10.4. Conditions to avoid

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Stable under normal conditions. Avoid grinding and pulverizing. Keep away from sources of ignition: heat, sparks, open flames. During processing do not exceed melt temperature recommendations (see product datasheet / product specification)

- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
carbon monoxide, carbon dioxide.

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### SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

1,1'-(1,1,2,2-tetrametileten)dibenzene - CAS: 1889-67-4

d) respiratory or skin sensitisation:

Test: Skin Sensitization – Notes: subcat. 1B

skin sensitization: May cause an allergic skin reaction

respiratory sensitization: Not classified based on available information

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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### SECTION 12: Ecological information

12.1. Toxicity

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

N.A.

12.2. Persistence and degradability

The material is not biodegradable

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

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- N.A.  
14.4. Packing group  
N.A.  
14.5. Environmental hazards  
N.A.  
14.6. Special precautions for user  
N.A.  
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
No

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## SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
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)  
Regulation (EU) n. 2015/1221 (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 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1  
None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document is valid for the materials listed below:

- **NILENE E V2 LBAF**
- **NILENE P V2 LBAF**

Available versions: different colours.

Text of phrases referred to under heading 3:

H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1

# Safety Data Sheet

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This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

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

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.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.