

## Safety Data Sheet

### HPUVSTFIB101



Safety Data Sheet dated 30/03/2015, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: HPUVSTFIB101

Trade code: HPUVSTFIB101

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

1.3. Details of the supplier of the safety data sheet

**Company name**

Hosta Polymers

19 Rue du Mercure, ZI Ben Arous

2013 Ben Arous - Tunisia.

Tél : +216 71 383 675

Fax : +216 71 383 716

commercial@hosta-polymers.com

Competent person responsible for the safety data sheet:

sds@hosta-polymers.com

1.4. Emergency telephone number

Hosta Polymers

Tel +21671383675

fax +21671 383716

8.00-18.00

PHONE: +21629601155 24/24H, 365 days/year

#### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:


Xi Irritant

R Phrases:

R36 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC regulation criteria 1272/2008 (CLP):

 Warning, Eye Irrit. 2, Causes serious eye irritation.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:



Warning

Hazard statements:

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H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash ... Thoroughly after handling.

P273 Avoid release to the environment.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.


3.2. Mixtures


Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

>= 5% - < 15% Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

REACH No.: 01-2119537297-32-0003, CAS: 52829-07-9, EC: 258-207-9

Xi,N; R36-51/53

 3.3/2 Eye Irrit. 2 H319

 4.1/C2 Aquatic Chronic 2 H411

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### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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- 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

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
None in particular.
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.  
Burning produces heavy 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.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
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.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
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.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.

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- 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

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate - CAS: 52829-07-9

Worker Professional: 5.6 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 2.0 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

##### PNEC Exposure Limit Values

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate - CAS: 52829-07-9

Target: Fresh Water - Value: 0.005 mg/l

Target: Marine water - Value: 0.0005 mg/l

Target: Freshwater sediments - Value: 8.02 mg/kg

Target: Marine water sediments - Value: 0.802 mg/kg

Target: Soil (agricultural) - Value: 1.6 mg/kg

##### 8.2. Exposure controls

###### Eye protection:

Use close fitting safety goggles, don't use eye lens.

###### Protection for skin:

No special precaution must be adopted for normal use.

###### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

###### Respiratory protection:

Not needed for normal use.

###### Thermal Hazards:

None

###### Environmental exposure controls:

None

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#### SECTION 9: Physical and chemical properties

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

Appearance and colour:	N.A.
Odour:	N.A.
Odour threshold:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	N.A.
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.

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Explosive properties:	N.A.
Oxidizing properties:	N.A.
9.2. Other information	
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

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#### SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - None
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - None in particular.
- 10.6. Hazardous decomposition products
  - None.

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#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
  - Toxicological information of the mixture:
    - N.A.
  - Toxicological information of the main substances found in the mixture:
    - Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate - CAS: 52829-07-9
    - a) acute toxicity:
      - Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
      - Test: LC50 - Route: Inhalation - Species: Rat = 7.7 mg/l - Duration: 4h
      - Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
    - b) skin corrosion/irritation:
      - Test: Eye Irritant - Route: Skin - Species: Rabbit Negative
      - Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
    - d) respiratory or skin sensitisation:
      - Test: Skin Sensitization - Species: Guinea pig Negative
    - e) germ cell mutagenicity:
      - Test: Mutagenesis Negative
    - f) carcinogenicity:
      - Test: Carcinogenicity Negative

If not differently specified, the information required in Regulation 453/2010/EC 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.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate - CAS: 52829-07-9

##### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 13 mg/l - Duration h: 96 - Notes: OECD guideline 203

Endpoint: EC50 - Species: Daphnia = 17 mg/l - Duration h: 24 - Notes: Guideline 92/69/EEC,C3

Endpoint: EC50 - Species: Activated Sludge > 100 mg/l - Duration h: 3 - Notes: OECD guideline 203

##### b) Aquatic chronic toxicity:

Endpoint: EC50 - Species: Daphnia 1.9 mg/l - Notes: OECD Guideline 211

##### e) Plant toxicity:

Endpoint: EC50 - Species: Scenedesmus sp.(freshwater algae) = 1.9 mg/l - Duration h: 72 - Notes: OECD guideline 202

##### 12.2. Persistence and degradability

None

N.A.

##### 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. 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)

N.A.

##### 14.4. Packing group

N.A.

##### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

##### 14.6. Special precautions for user

N.A.

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Dir. 2006/8/EC  
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) n. 453/2010 (Annex I)  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)

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

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 directives 82/501/EC(Seveso), 96/82/EC(Seveso II):  
N.A.

15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

Text of phrases referred to under heading 3:

R36 Irritating to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

#### SECTION 2: Hazards identification

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  
CCNL - Appendix 1  
Insert further consulted bibliography

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.

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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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.