1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name
FRULIX TF AMORA_PE

1.2 Common Chemical Name
MULBERRY FRUIT EXTRACT

INCI Name (CTFA)
Hydrolyzed Mulberry Fruit

1.3 Company
Assessa Indústria, Comércio e Exportação Ltda
Rua Cardoso Quintão, nº 110 CEP: 21381- 460 Fax: (21) 2592-8326
Tomás Coelho Rio de Janeiro RJ Brasil
assessa@assessa.com.br www.assessa.com.br

1.4 Emergency Telephone Number
Tel: +55(21) 2591-4691 / +55(21) 2592-0452 / +55(21) 2591-4345
Phone number is available only during office hours.

2. HAZARD IDENTIFICATION

2.1 Classification of The Mixture
Environmental Hazards
No hazardous effects know.

Human Health Hazards
No hazardous if handled properly.

2.2 Label Elements

| Risk of life | 0 | Rating Scale |
| Risk of fire | 0 |
| Reaction     | N |

2.3 Other Hazards
Not applicable

3. COMPOSITION / INFORMATION INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>%</th>
<th>Nº EINECS</th>
<th>Nº CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulberry Pulp Extract</td>
<td>99.00</td>
<td>[290-072-1]</td>
<td>[90064-11-2]</td>
</tr>
<tr>
<td>Phenoxylethanol</td>
<td>0.90</td>
<td>[204-589-7]</td>
<td>[122-99-6]</td>
</tr>
<tr>
<td>Ethylhexylglycerin</td>
<td>0.10</td>
<td>[408-080-2]</td>
<td>[70445-33-9]</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Not a direct hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Not a direct hazard.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Not a direct danger. Flush with lots of water.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Rinse thoroughly with a lot of water for some minutes.</td>
</tr>
</tbody>
</table>

4.2 Most Important Symptoms and Effects, both Acute and Delayed
No effects of this type known.

4.3 Indication of any immediate medical attention and special needed
No specific actions are required.

5. FIREFIGHTING MEASURES

5.1 Suitable
Water.

Special Firefighting Procedures
In case of insufficient ventilation, wear suitable respiratory equipment.

5.2 Hazardous Thermal decomposition products
Carbon monoxide.

5.3 Protection of Firefighters
If necessary, full protection.
6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions
Avoid contact with eyes.

6.2 Environmental Precautions
Prevent the product reaches waterways and soil drainage.

6.3 Methods of Cleaning Up
Cover with absorbent material (e.g. universal binding material, sand, siliceous earth). Rinse the remaining material with lots of water.

6.4 Reference to other sections
No specific actions are required.

7. HANDLING AND STORAGE

7.1 Handling
Avoid contact with eyes. Possible risk of slipping.

7.2 Storage
Store product only in closed original packing. Keep in a cool place.
During storage precipitation may occur, without changing product properties.

Suitable packaging materials
Polyethylene.

7.3 Specific end use(s)
Cosmetic use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters
Respiratory System Protection
No special respirator needed.

8.2 Exposure Controls
Skin and Body Protection
Normal protective clothes/ Apron.

Hand Protection
Neoprene gloves.

Eye Protection
Protective eyewear recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State
Liquid

Colour
Wine-red to reddish-brown

Odour
Characteristic

Odour Threshold
0.5% in water

pH at 25ºC
2.50 to 4.50

Melting Point
Not applicable

Freezing Point
Not applicable

Boiling Point
100.2 ºC

Flash Point
Not applicable, the product is not flammable

Evaporation Rate
Not applicable, the product is not flammable

Inflammability
Not applicable, the product is not flammable

Lower/ Upper Flammable Limit
Not applicable, the product is not flammable

Lower/ Upper Explosive Limit
Not applicable, the product is not explosive

Vapor Pressure at 25 ºC
23.4 mmHg

Vapor Density at 24 ºC
21.9 g/m³

Specific Gravity
1.030 g/mL

Solubility
Soluble in water

N-octanol/water Partition Coefficient
Not determined

Autoignition Temperature
Not applicable, the product is not flammable

Decomposition Temperature
Not applicable, the product is not flammable

Viscosity at 25 ºC - Brookfield RVT 2 100 RPM
12.80 cps

Explosive Properties
Not applicable, the product does not have explosive properties

Oxidising Properties
Not applicable, the product does not have oxidising properties
10. STABILITY AND REACTIVITY

10.1 Reactivity  Inert, not reactive.
10.2 Chemical Stability  Chemically stable.
10.3 Possibility of Hazardous Reactions  No hazardous reactions.
10.4 Conditions to avoid  Keep away from open flame - No smoking.
10.5 Incompatible Materials  No specific incompatibilities.
10.6 Hazardous Decomposition Products  No dangerous decompositions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects
Acute Toxicity  Not determined.
Skin Corrosion / Irritation  Not determined.
Serious Eye Damage / Irritation  Not determined.
Respiratory or Skin Sensitisation  Not determined.
Germ Cell Mutagenicity  Not determined.
Carcinogenicity  Not determined.
Reproductive Toxicity  Not determined.
Specific Target Organ Toxicity - single exposure  Not determined.
Specific Target Organ Toxicity - repeated exposure  Not determined.
Aspiration Hazard  Not determined.

12. ECOLOGICAL INFORMATION

12.1 Toxicity  Not relevant.
12.2 Persistence and degradability  Not relevant.
12.3 Bioaccumulative potential  Not relevant.
12.4 Mobility in soil  Insignificant.
12.5 Results of PBT and vPvB assessment  Not relevant.
12.6 Other adverse effects  Other adverse effects are unknown.

13. DISPOSAL CONSIDERATION

13.1 Waste Treatment Methods  In accordance with Regulations 2000/532/CE and 2001/118/EC, this material is not classified as hazardous waste.

14. TRANSPORT INFORMATION

14.1 UN Number  Not relevant.
14.2 UN Proper Shipping Name  Not relevant.
14.3 Transport Hazard Class(es)  No classification.
14.4 Packing Group  No classification.
14.5 Environmental Hazards  Not relevant.
14.6 Special Precautions for User  No special precautions.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not relevant.
15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the mixture

No additional regulatory information available.

16. OTHER INFORMATION

History
Date first issue 19.06.10
Date previous MSDS 19.06.10
Date of issue 03.07.13
Version 2
Prepared by KC
Revised by MGF
Authorized by DWB

Bibliographical Reference:

*** End of Safety Data Sheet ***