

# PLANTCOL

1 – IDENTIFICATION	
Product name	: <b>PLANTCOL</b>
Product code	: XF6691
Recommended use of the product	: Ingredient for cosmetic formulations.
Supplier name	: AQIA Química Industrial Ltda.
Address	: Rua Rosa Mafei, 563-Bonsucesso- Guarulhos-SP
Contact phone number	: 55 11 2436-3133 (Monday to Friday, 8 AM to 5.30 PM)
Emergency phone number	: 55 11 2436-3133 (Monday to Friday, 8 AM to 5.30 PM)
Fax number	: 55 11 2436-2145
E-mail	: <a href="mailto:aqia@aqia.net">aqia@aqia.net</a>
2 – COMPOSITION / INFORMATION ON INGREDIENTS	
<b>MIXTURE</b>	
<ul style="list-style-type: none"> <li>– <b>Chemical or common name:</b> Complex derived from the gum produced by <i>Acacia Senegal</i></li> <li>– <b>INCI name:</b> Acacia Senegal Gum Extract [EU]<sup>(1)</sup> Acacia Senegal Gum Extract [US]<sup>(2)</sup></li> <li>– <b>CAS number:</b> 90387-99-8 [EU]<sup>(1)</sup> International Cosmetic Ingredient Dictionary and Handbook, 14<sup>th</sup> Edition, page 8 [US]<sup>(2)</sup></li> <li>– <b>EINECS number:</b> 291-377-2 [EU]<sup>(1)</sup> ---- [US]<sup>(2)</sup></li> </ul>	
3 – HAZARD IDENTIFICATION	
<b>HEALTH HAZARD DATA</b>	
<ul style="list-style-type: none"> <li>– Swallowing: If accidentally ingested it can cause discomfort.</li> <li>– Skin absorption: In a short period, it is not expected a harmful effect.</li> <li>– Inhalation: Avoid inhalation. In a short period of time it is not expected a harmful effect.</li> <li>– Eye Contact: Avoid eye contact. It may cause discomfort and redness.</li> </ul>	
4 – FIRST-AID MEASURES	
<b>FIRST-AID MEASURES</b>	
<ul style="list-style-type: none"> <li>– Swallowing: Normally emergency cares are not necessary. If accidentally ingested, do not induce vomit. If some discomfort occurs and persists consult a doctor and inform the product chemical name</li> <li>– Inhalation: If some discomfort or irritation occurs and persists consult a doctor and inform the product chemical name</li> <li>– Eye Contact: Wash with plenty of water for several minutes (at least 15). If some irritation persists, consult an ophthalmologist and inform the product chemical name</li> <li>– Skin Contact (pure): Wash with plenty of water and soap or detergent.</li> </ul>	

## 5 – FIRE-FIGHTING MEASURES

**IGNITION POINT (IN OPEN GLASS):** Non igneous.

**EXTINGUISH WAYS:** Water, foam extinguisher, CO2 extinguisher, chemical powder.

**SPECIFIC PROCEDURE TO EXTINGUISH FIRE:** Use autonomous respiratory equipment, protective gloves and clothes and wash with water in abundance.

## 6 – ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IF THE MATERIAL IS RELEASED OR SPILLED:** Absorb the product in sawdust or sand and collect. Wash the contaminated area with detergent or soap and plenty of water.

**WASTE DISPOSAL METHOD:** Observe government regulations. Follow the legislation.

## 7 – HANDLING AND STORAGE

### HANDLING

a) **Technical Advice:** -----

b) **Precautionary measures:** Avoid eye contact.

c) **Security and specific manipulation measures:** Wear protective gloves and safety glasses.

### STORAGE

a) **Storage condition:** Store in dry area. Keep in original container, tightly closed. Protect from humidity, light and heat (under 35°C).

b) **Shelf life:** 24 months starting from manufacturing date.

**NOTE: DURING STORAGE IT MAY GET TURBID, BUT THIS WILL NOT INVALIDATE THE PRODUCT.**

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### INDIVIDUAL PROTECTION MEASURES

a) **Respiratory protection:** It is not necessary.

b) **Protection gloves:** It is not necessary.

c) **Eyes protection:** Safety glasses.

d) **Other equipment of protection:** Emergency shower and eye-washer.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Boiling-point : 95°C

### Specification

- Aspect (25°C) : Limpid to opalescent colloidal solution

- Color : Yellow to amber

- Odor : Characteristic

- Density (25°C) : 1.110 – 1.170 g/ml

- Refractive Index (25°C) : 1.370 – 1.410

- pH 100% (25°C) : 3.0 – 5.0

- Dry residue (%) : Min. 25%

- Microbiology – Molds : Max. 100 col/g

- Microbiology – Bacteria : Max. 100 col/g

## 10 – STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable if kept at room temperature and in the original closed packing.

**CONDITIONS TO AVOID:** High temperatures near flash point.

**HAZARDS COMBUSTION OR DECOMPOSITION PRODUCTS:** Burning may produce carbon monoxide and/or carbon dioxide. Notes: the carbon monoxide is highly toxic if inspired. The carbon dioxide in high

concentration may be asphyxiating. Overexposure to the combustion products may cause irritation on respiratory organs.

#### 11 – TOXICOLOGICAL INFORMATION

- a) **Acute toxicity:** Low toxicity. No harmful effects are expected.
- b) **Chronic toxicity or long time:** There is no reference.
- c) **Local effects:** There is no reference.
- d) **Allergenic sensibility:** There is no reference.

*Note: the data reported above were obtained through a literature review. No tests on animals were performed.*

#### 12 – ECOLOGICAL INFORMATION

- a) **Instability:** There is no reference.
- b) **Persistence and degradability:** It is biodegradable.
- c) **Bioaccumulative potential:** It does not occur.
- d) **Environmental effects:** Presents no hazards for the environment.

*Note: the data reported above were obtained through a literature review. No tests on animals were performed.*

#### 13 – DISPOSAL CONSIDERATIONS

Recommended methods for treatment and disposal:

- a) **Waste disposal method:** Consult state, local or national regulations for proper disposal.
- b) **Contaminated packaging disposal:** The packing must not be reused. The plastic material can be recycled or incinerated.

#### 14 – TRANSPORT INFORMATION

##### NATIONAL AND INTERNATIONAL REGULATIONS

##### a) Land

Decreto nº 96.044:1988 – Aprova o Regulamento para o Transporte Rodoviário de Produtos Perigosos e dá outras providências (Decree nº 96.044:1988 - the Regulation for the Road Transport of Dangerous Products and the other steps Approves).  
Resoluções ANTT nº 420:2004, 701:2004, 1644:2006, 2657:98, 2975:08 e 3383:2010 (Resolutions ANTT nº 420:2004, 701:2004, 1644:2006, 2657:98, 2975:08 and 3383:2010).

##### b) Waterways

DPC – Diretoria de Portos e Costas - Transporte em Águas Brasileiras ( DPC - Direction of Ports and Coasts - Transport in Brazilian Waters).  
Normas de Autoridade Marítima – NORMAM (Norms of Maritime authorities).  
NORMAM 01/DPC: Embarcações Empregadas na Navegação em Mar Aberto (Boats Used in the Navigation in Open Sea).  
NORMAM 02/DPC: Embarcações Empregadas na Navegação Interior (Boats Used in the Inland navigation).  
IMO – “*International Maritime Organization*” (Organização Marítima Internacional)  
*International Maritime Dangerous Goods Code* (IMDG Code).

##### c) Air

DAC – Departamento de Aviação Civil: IAC 153–1001. Instrução de Aviação Civil – Normas para o transporte de artigos perigosos em aeronaves civis (DAC - Department of Civil Aviation: IAC 153-1001. Instruction of Civil Aviation - Norms for the dangerous article transport in civil aircraft).  
IATA – “*International Air Transport Association*” (Associação Internacional de Transporte Aéreo)

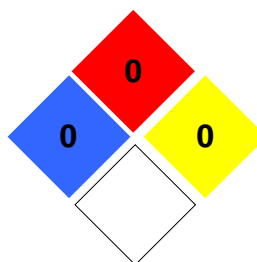
### CLASSIFICATION OF DANGEROUS GOODS FOR TRANSPORTATION

- **UN number:** Not applicable.
- **UN Proper Shipping Name:** Not classified as hazardous for transport.
- **Transport hazard class:** Not classified as hazardous for transport.
- **Risk number:** Not classified as hazardous for transport.
- **Packing group:** Not classified as hazardous for transport.

### 15 – REGULATORY INFORMATION

Product is not classified as hazardous material by legislation of hazardous products.

- Hommel Diamond  
Health = 0  
Flammability = 0  
Reactivity = 0  
Specific Risks =



### 16 – OTHER INFORMATION

AQIA Química Industrial Ltda. recommends the user to read carefully this Material Safety Data Sheet (MSDS) in order to know the hazards associated to the product. The MSDS presents safety information in product handling. The information herein is given in good faith, without thereby incurring any liability, express or implied. It is the user's responsibility to ensure that their activities comply with local, federal, state, and municipal regulations. The information presented here pertains only to the product in its original container. It is obligation of the user to use or determine that the product is handled safely.

### REFERENCES

1. *Site CosIng*, Europe  
(<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>)
2. *International Cosmetic Ingredient Dictionary and Handbook*, 15<sup>th</sup> edition, 2014, USA.

### ABBREVIATIONS

- ABNT (*Associação Brasileira de Normas Técnicas*) – Brazilian Association of Technical Norms
- ACGIH (*American Conference of Governmental Industrial Hygienists*) - Conferência Americana de Higienistas Industriais Governamentais
- ANTT (Agência Nacional de Transportes Terrestres) – National Agency of Land Transport
- CAS – *Chemical Abstract Service*
- DAC (*Departamento de Aviação Civil*) – Civil Aviation Department
- DL<sub>0</sub> – It is the maximum dosage tested that does not cause death in a test population.
- DL<sub>50</sub> (*Dose Letal Mediana*): Lethal Dose 50% - It is the necessary dosage of a determined substance to kill 50 % of the testing population.
- DPC (*Diretoria de Portos e Costas*) – Directorate of Ports and Coasts
- EINECS (*European Inventory of Existing Chemical Substances*) – Inventário Europeu de Substâncias Químicas Existentes
- FISPQ (*Ficha de Informações de Segurança de Produtos Químicos*) – MSDS
- GHS (Global Harmonized System) – *Sistema Globalmente Harmonizado para a Classificação e Rotulagem de Produtos Químicos*.

- IATA (International Air Transport Association) – *Associação Internacional de Transporte Aéreo*
- IMDG (International Maritime Dangerous Goods Code) – *Código Internacional Marítimo para Materiais Perigosos*
- IMO (International Maritime Organization) – *Organização Internacional Marítima*
- INCI (International Nomenclature of Cosmetic Ingredients) – *Nomenclatura Internacional para Ingredientes Cosméticos*
- LD<sub>0</sub> (Lethal Dose 0) – *É a dose máxima testada que não provoca mortalidade em uma população em teste.* / It is the maximum dosage tested that does not cause death in a test population.
- LD<sub>50</sub> (Lethal Dose 50%) - It is the necessary dosage of a determined substance to kill 50 % of the testing population.
- MTE (*Ministério do Trabalho e Emprego*) – Ministry of Work and Employment
- NBR (*Norma Brasileira*) – Brazilian Norm
- NIOSH (National Institute for Occupational Safety and Health) – *Instituto Nacional para Segurança Ocupacional e de Saúde*
- NORMAM (*Normas de Autoridade Marítima*) – Maritime Authority Norms
- NR – *Normas Regulamentadoras (do Ministério do Trabalho e Emprego)* – Regulatory Norms (of Ministry of Work and Employment)
- OIT (*Organização Internacional do Trabalho*) – International Work Organization
- ONU (*Organização das Nações Unidas*) – United Nations Organization
- OSHA (Occupational Safety & Health Administration) – *Segurança Ocupacional e Administração de Saúde*
- ppb – Partes Por Bilhão / Parts-per-bilion
- ppm – Partes Por Milhão / Parts-per-milion