

**Safety data sheet**  
**COMMISSION REGULATION (EU) No 2015/830 of 1**  
**June 2015 amending Annex II of Regulation (EU) No**  
**453/2010**

Printing date 24.08.2020

Version number 1

Revision: 24.08.2020

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

- **Trade name:** Tamarind seed gum, carboxymethyl ether (TEXTILE PRINTING THICKNER)
- **CAS Number:**  
68647-15-4
- **EC number:**  
271-943-5
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Used for printing disperse dyes on Polyester & Polyester blended fabrics, used as a sizing material in paper industry, used as a core binder in foundries & mosquito coils.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Adgums Pvt. Ltd. 100% EOU,  
Plot No. 1, Swastik Industrial Estate,  
Opp. Aarvee Denim, Sarkhej-Bavla Highway,  
Village Sari, Tal-Sanand, Ahmedabad-382220  
Gujarat, India
- **Further information obtainable from:**  
Mr. Naman Patel  
Telephone number: +91 9512322722; 9512322922  
E-mail: adgums@printing-thickeners.com
- **1.4 Emergency telephone number:**  
Contact details of European importer  
Emergency telephone number+91 9512322722; 9512322922  
Telephone number of EU importer:  
Opening hours: Other Comments (e.g. language(s) of the phone service): English

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
68647-15-4 Tamarind seed gum, carboxymethyl ether
- **Identification number(s)**
- **EC number:** 271-943-5
- **Additional information:** Molecular Formula: C<sub>2</sub>H<sub>4</sub>O<sub>3</sub>.X Unspecified
- **SVHC** The substance is not in the list of SVHC substances

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Consult Physician. Show this safety data sheet to doctor in attendance.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Not known.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

**. 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**

**. 6.3 Methods and material for containment and cleaning up:**

Clean up spills immediately.

Sweep up or absorb material and place in a suitable clean, dry, closed container for disposal.

Avoid generating dusty conditions.

Use preventative measures including spark proof motors and ventilation to control dust.

Utilize good housekeeping to remove surface dust from floors, walls, beams, around equipment, etc.

Wash residual traces with hot water after sweep-up is complete.

**. 6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

**. 7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

**. Information about fire - and explosion protection:**

Normal measures for preventive fire protection.

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

**. Storage:**

**. Requirements to be met by storerooms and receptacles:**

Store in tightly closed containers and in well ventilated area.

**. Information about storage in one common storage facility:**

Store away from oxidising agents.

Store away from incompatible materials.

**. Further information about storage conditions:**

Keep container tightly sealed.

Protect from contamination.

**. 7.3 Specific end use(s)**

Used for printing disperse dyes on Polyester & Polyester blended fabrics, used as a sizing material in paper industry, used as a core binder in foundries & mosquito coils.

### SECTION 8: Exposure controls/personal protection

**. Additional information about design of technical facilities: No further data; see item 7.**

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### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### · **Personal protective equipment:**

#### · **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

#### · **Respiratory protection:** Suitable respiratory protective device recommended.

#### · **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · **Eye protection:**



Tightly sealed goggles

#### · **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### · **General Information**

##### **Appearance:**

Solid

##### · **Form:**

Powder

##### · **Colour:**

Light yellow

##### · **Odour:**

Aliphatic

##### · **Odour threshold:**

Not applicable

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|  |   |
|--|---|
| . <b>pH-value:</b>                               | 10.5 +/- 0.5  |
| . <b>Change in condition</b>                     |   |
| <b>Melting point/freezing point:</b>             | Undetermined.   |
| <b>Initial boiling point and boiling range:</b>  | Undetermined.   |
| . <b>Flash point:</b>                            | Not applicable.   |
| . <b>Flammability (solid, gas):</b>              | Product is not flammable.   |
| . <b>Explosive properties:</b>                   | Product does not present an explosion hazard.   |
| . <b>Explosion limits:</b>                       |   |
| <b>Lower:</b>                                    | Not applicable  |
| <b>Upper:</b>                                    | Not applicable  |
| . <b>Vapour pressure:</b>                        | Not applicable  |
| . <b>Density:</b>                                | Not determined.   |
| . <b>Evaporation rate</b>                        | Not applicable  |
| . <b>Solubility in / Miscibility with water:</b> | Soluble.  |
| . <b>Partition coefficient: n-octanol/water:</b> | Not determined  |
| . <b>Viscosity:</b>                              |   |
| <b>Dynamic:</b>                                  | Not applicable  |
| <b>Kinematic:</b>                                | Not applicable  |
| . <b>9.2 Other information</b>                   | Solubility: Cold water soluble<br>Viscosity of 8% paste: 28000-34000 cps at (Spindle No. 6, 20 RPM by Brook field Viscometer Model RVT)<br>It is insoluble in organic solvents and dispersible in warm water to form a highly viscous gel |

## SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability** Stable under recommended storage conditions.
- . **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** Avoid contact with incompatible materials
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Carbon monoxide

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### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **LD/LC50 values relevant for classification:**  
Quantitative data on toxicological effect of this product are not available
- . **Primary irritant effect:**
- . **Skin corrosion/irritation** Non irritating to skin
- . **Serious eye damage/irritation** No irritant effect.
- . **Respiratory or skin sensitisation** No sensitising effects known
- . **Acute effects (acute toxicity, irritation and corrosivity)** The substance is nontoxic.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
The substance do not exhibit any CMR effect
- . **Germ cell mutagenicity** No data available.
- . **Carcinogenicity** No data available.
- . **Reproductive toxicity** No data available.
- . **STOT-single exposure** No data available.
- . **STOT-repeated exposure** No data available.
- . **Aspiration hazard** No data available.

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- . **12.2 Persistence and degradability** The substance is found to be bio-degradable,
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** Have no adverse impact on environment.

### SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**  
Dispose of waste material according to local, state and federal regulations.

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**. Waste disposal key:**

04 Wastes from the leather, fur and textile industries

04 01 Wastes from the leather and fur industry.

04 02 wastes from the textile industry.

03 03 wastes from pulp, paper and cardboard production and processing

**. Uncleaned packaging:**

**. Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**. 14.1 UN-Number**

**. ADR, ADN, IMDG, IATA** Void

**. 14.2 UN proper shipping name**

**. ADR, ADN, IMDG, IATA** Void

**. 14.3 Transport hazard class(es)**

**. ADR, ADN, IMDG, IATA**

**. Class** Void

**. 14.4 Packing group**

**. ADR, IMDG, IATA** Void

**. 14.5 Environmental hazards:**

**. Marine pollutant:** No

**. 14.6 Special precautions for user** Not applicable.

**. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

**. UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

**. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**. Labelling according to Regulation (EC) No 1272/2008** Void

**. Hazard pictograms** Void

**. Signal word** Void

**. Hazard statements** Void

**. Directive 2012/18/EU**

**. Named dangerous substances - ANNEX I** Substance is not listed.

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- . **National regulations:**
- . **Other regulations, limitations and prohibitive regulations**  
 TSCA: Listed  
 Australia-AICS: Listed  
 Philippines-PICCS: Listed
- . **Substances of very high concern (SVHC) according to REACH, Article 57**  
 The substance is not listed as SVHC.
- . **15.2 Chemical safety assessment:**  
 A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- . **Department issuing SDS:** Product safety department.
- . **Contact:**  
 Mr. Naman Patel  
 Telephone number: +91 9512322722; 9512322922  
 E-mail: [adgums@printing-thickeners.com](mailto:adgums@printing-thickeners.com)
- . **Abbreviations and acronyms:**  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative
- . **Sources**
  - REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
  - SVHC candidate list  
[http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)
  - US EPA  
[http://iaspub.epa.gov/sor\\_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p\\_type=CASNO&p\\_value=68647-15-4](http://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p_type=CASNO&p_value=68647-15-4)
  - Sunray International

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[http://www.sunrayinternational.com/single\\_portfolio.php?p=70](http://www.sunrayinternational.com/single_portfolio.php?p=70)

- Sri Balasanka Mill

<http://www.sribalasankamill.com/carboxy-methyl-tamarind-powder-1423402.html>

- International Journal of Pharmatech Research

[http://sphinxesai.com/2014/PTVOL6/PT=02\(412-420\)AJ14.pdf](http://sphinxesai.com/2014/PTVOL6/PT=02(412-420)AJ14.pdf)

**\* Data compared to the previous version altered.**

- Section 1 – Identification of the substance and of the company/undertaking
- Section 3 – Composition /Information on ingredients
- Section 4 - First Aid Measures
- Section 5 - Fire Fighting Measures
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- Section 7 - Handling and Storage
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- Section 9 - Physical & Chemical Properties
- Section 10 – Stability and reactivity
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- Section 16: Other information.

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