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

*·* ***Trade name: (Tamarind seed gum, carboxy methyl ether), Natural Gum 600HV, ST-180, ST-80, ST-380S***

*·* ***CAS Number:***

*68647-15-4*

*·* ***EC number:***

*271-943-5  
·****Pre-registration No.*** *17-2119456988-15-0000*

*·* ***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,*

*Mahalaxmi Compound, Opp. Rustom Mills, Dudheshwar Road, Ahmedabad - 380 004*

*Gujarat, India*

*·* ***Further information obtainable from:***

*Mr. Pinal Rana*

[*pinalrana@printing-thickeners.com*](mailto:pinalrana@printing-thickeners.com)

*Telephone number: +91-79-25622632, 25625922*

*Fax number : +91-79-25622876*

*E-mail :* [*adgums@printing-thickeners.com*](mailto:adgums@printing-thickeners.com)

*·* ***1.4 Emergency telephone number:****Contact details of European importer   
Emergency telephone number+91-79-25622632, 25625922*

*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.*

*·* ***Classification according to Directive 67/548/EEC or Directive 1999/45/EC*** *Not applicable.*

*·* ***Information concerning particular hazards for human and environment:*** *Not applicable.*

*·* ***2.2 Label elements***

*·* ***Labelling according to Regulation (EC) No 1272/2008*** *Not applicable*

*·* ***Hazard pictograms*** *Not applicable*

*·* ***Signal word*** *Not applicable*

*·* ***Hazard statements*** *Not applicable*

*·* ***2.3 Other hazards***

*·* ***Results of PBT and vPvB assessment***

*·* ***PBT:*** *Not applicable.*

*·* ***vPvB:*** *Not applicable.*

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***Trade name: Tamarind seed gum, carboxymethyl ether***

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***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: C2H4O3.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:*** *No special measures required.*

*·* ***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.*

*·* ***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:***

*CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

*·* ***5.2 Special hazards arising from the substance or mixture*** *No further relevant information available.*

*·* ***5.3 Advice for firefighters***

*·* ***Protective equipment:*** *No special measures required.*

***SECTION 6: Accidental release measures***

*·* ***6.1 Personal precautions, protective equipment and emergency procedures*** *Not required.*

*·* ***6.2 Environmental precautions:*** *No special measures required.*

*·* ***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.*

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***Trade name: Tamarind seed gum, carboxymethyl ether***

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***SECTION 7: Handling and storage***

*·* ***7.1 Precautions for safe handling*** *Use all protective safety equipments.*

*·* ***Information about fire - and explosion protection:*** *No special measures required.*

*·* ***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:*** *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.*

*·* ***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*

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***Trade name: Tamarind seed gum, carboxymethyl ether***

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

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***SECTION 9: Physical and chemical properties***

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| --- |
| *·* ***9.1 Information on basic physical and chemical properties***  *·* ***General Information***  ***Appearance:*** *Solid*  *·* ***Form:*** *Powder*  *·* ***Colour:*** *Light yellow*  *·* ***Odour:*** *Aliphatic* |
| *·* ***pH-value:*** *10.5 +/- 0.5* |
| *·* ***Change in condition***  ***Melting point/Melting range:*** *Undetermined.*  ***Boiling point/Boiling range:*** *Undetermined.* |
| *·* ***Flash point:*** *Not applicable.* |
| *·* ***Danger of explosion:*** *Product does not present an explosion hazard.* |
| *·* ***Density:*** *Not determined.* |
| *·* ***Solubility in / Miscibility with***  ***water:*** *Soluble.*  *·* ***9.2 Other information*** *Solubility: Cold water soluble*  *Viscosity of 8% paste : 28000-34000 cps at (Spindle No. 6, 20 RPM by Brook*  *field Viscometer Model RVT)*  *It is insoluble in organic solvents and dispersible in warm mater to form a highly viscous gel* |

***SECTION 10: Stability and reactivity***

*·* ***10.1 Reactivity***

*·* ***10.2 Chemical stability***

*·* ***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:*** *No dangerous decomposition products known.*

***SECTION 11: Toxicological information***

*·* ***11.1 Information on toxicological effects***

*·* ***Acute toxicity:***

*·* ***LD/LC50 values relevant for classification:***

*Quantitative data on toxicological effect of this product are not available*

*·* ***Primary irritant effect:***

*·* ***On the skin:*** *No irritant effect.*

*·* ***On the eye:*** *No irritating effect.*

*·* ***Sensitisation:*** *No sensitising effects known.*

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***Trade name: Tamarind seed gum, carboxymethyl ether***

*·* ***Additional toxicological information:***

(Contd. of page 4)

*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

*The substance is not subject to classification according to the latest version of the EU lists.*

*·* ***Acute effects (acute toxicity, irritation and corrosivity):*** *The substance is nontoxic.*

*·* ***CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)***

*The substance do not exhibit any CMR effect*

***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 Bio accumulative potential*** *No further relevant information available.*

*·* ***12.4 Mobility in soil*** *No further relevant information available.*

*·* ***12.5 Results of PBT and vPvB assessment*** *TO BE PROVIDED IN THE REGISTRATION DOSSIER*

*·* ***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*** *Smaller quantities can be disposed of with household waste.*

*·* ***European waste catalogue***

*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*** *Not applicable* |
| *·* ***14.2 UN proper shipping name***  *·* ***ADR, ADN, IMDG, IATA*** *Not applicable* |
| *·* ***14.3 Transport hazard class(es)***  *·* ***ADR, ADN, IMDG, IATA***  *·* ***Class*** *Not applicable* |
| *·* ***14.4 Packing group***  *·* ***ADR, IMDG, IATA*** *Not applicable* |
| *·* ***14.5 Environmental hazards:***  *·* ***Marine pollutant:*** *No* |

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***Trade name: Tamarind seed gum, carboxymethyl ether***

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

*·* ***14.7 Transport in bulk according to Annex II of***

***MARPOL73/78 and the IBC Code*** *Not applicable.*

*·* ***UN "Model Regulation":*** *Not applicable*

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***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*** *Not applicable   
·* ***Hazard pictograms*** *Not applicable*

*·* ***Signal word:*** *Not applicable*

*·* ***Hazard statements:*** *Not applicable*

*·* ***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 MSDS:*** *Product safety department.*

*·* ***Contact:***

*Mr. Pinal Rana*

[*pinalrana@printing-thickeners.com*](mailto:pinalrana@printing-thickeners.com)

*Telephone number: +91-79-25622632, 25625922*

*Fax number: +91-79-25622876*

*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)*

*·* ***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 candidiate list*

[*http://echa.europa.eu/chem*](http://echa.europa.eu/chem) *data/authorisation process/candidate list table en.asp*

*- US EPA*

*h t t p : / / i a s p u b . e p a . g o v / s o r i n t e r n e t / r e g i s t r y / s u b s t r e g / s e a r c h a n d r e t r i e v e / a d v a n c e d s e a r c h /*

*externalSearch.do?p type=CASNO&p value=68647-15-4*

(Contd. on page 7)

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***Trade name: Tamarind seed gum, carboxymethyl ether***

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

*- Sri Balasanka Mill*

[*http://www.sribalasankamill.com/carboxy-methyl-tamarind-powder-1423402.html*](http://www.sribalasankamill.com/carboxy-methyl-tamarind-powder-1423402.html)

*- International Journal of Pharmatech Research* [*http://sphinxsai.com/2014/PTVOL6/PT=*](http://sphinxsai.com/2014/PTVOL6/PT)*02(412-420)AJ14.pdf*

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

*• Section 1 – Identification f the substance and of the company/undertaking*

*• Section 3 – Composition /Information on ingredients*

*• Section 4 - First Aid Measures*

*• Section 5 - Fire Fighting Measures*

*• Section 6 - Accidental Release Measures*

*• Section 7 - Handling and Storage*

*• Section 8 - Exposure Controls / Personal Protection*

*• Section 9 - Physical & Chemical Properties*

*• Section 10 – Stability and reactivity*

*• Section 11 - Toxico-logical Information*

*• Section 12 - Ecological Information*

*• Section 13 - Disposal Considerations*

*• Section 15 – Regulatory information*

*• Section 16: Other information.*

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