

LAUNDRY STARCH Traditional	Ref: FC02/02	Health & Safety Data Sheet
Section 1	Chemical product and company identification	
1.1 Product name 1.2 Relevant uses of the substance or mixture & uses advised against	Traditional Laundry Starch Laundry finishing. Contains a mineral salt which is used in: water softening, as a pH regulator, in personal care products, detergents & cleaners.	
Section 2	Hazards Identification	
2.1 Classification of the substance/blend 2.2 Label elements 2.3 Other hazards	CLP-Not classified Hazard statements: not assigned Precautionary statements: not assigned Prevention: not assigned Response: not assigned Storage: not assigned Disposal: not assigned Supplemental label information: None No further relevant information available	
Section 3	Composition/information on ingredients	
Substance	Native maize starch CAS no 9005-25-8 EC# 232-679-6 with mineral salt as follows Trisodium hydrogencarbonate CAS number 533-96-0 %w/w >80 Sodium Carbonate CAS number 497-19-8 %w/w 10 approx Sodium bicarbonate CAS number 144-55-8 %w/w 6 approx	
Section 4	First Aid Measures	
4.1 Inhalation: Ingestion: Skin contact: Eye contact: 4.2 Most important symptoms & effects, both acute & delayed: 4.3 Indication of any immediate medical attention & special treatment needed:	Move person from source of exposure if symptomatic, seek medical advice. Do not induce vomiting, wash mouth out with water, give 200-300mls (1/2 pint) water to drink -seek medical advice/attention Wash skin with plenty of soap & water. Get medical attention if symptoms persist after washing Remove contact lenses is possible & safe to do so. Hold eyelids open and flush with water for min 15mins. - seek medical advice Dust may irritate eyes and respiratory system Treat symptomatically	
Section 5	Fire Fighting Measures	
5.1 Extinguishing media 5.2 Special hazards arising from the substance 5.3 Advice for firefighters	Standard media such as powder, foam, water, water fog or CO2 are suitable. Dust may form explosive mixture with air. Dust explosion Class St-1 at normal moisture level. Minimum Ignition Energy (MIE) >30mJ at normal moisture level Pmax 9.5bar Kst: 195bar m/s For the protection of firefighters e.g. the standard breathing apparatus, operated in positive pressure mode should be used. Wear protective suits	
Section 6	Accidental release measures	

6.1	Personal precautions, protective equipment & emergency procedures	<p>Keep dust levels to a minimum, by careful use and vacuuming spillages immediately. Wear protective clothing as per section 8</p> <p>For emergency responders – keep unnecessary personnel away</p> <p>Prevent run off from entering drain, sewers or streams</p> <p>Clean major spillages by sweeping up and/or vacuuming. Install effective dust extraction, store material in correctly labelled sealed containers for reuse or disposal. If water is used to flush floor, wet surfaces may be a slipping hazard. Non-sparking tools should be used.</p> <p>Protective clothing section 8 Waste disposal section 13</p>
6.2	Environmental precautions	
6.3	Methods & material containment & cleaning up	
6.4	Reference to other sections	
Section 7		Handling & storage
7.1	Precautions for safe handling	<p>Avoid creation of dust clouds, do not inhale dust. Wear PPE</p> <p>Observe good hygiene practices. No smoking, eating or drinking when using product. Wash hands and exposed areas after handling</p> <p>Store in a cool dry area in well-sealed containers. Avoid contact with acids. Avoid build-up of static electricity by avoiding friction during storage/mixing.</p> <p>See section 1/2</p>
7.2	Conditions of safe storage, including any incompatibilities	
7.3	Specific end uses	
Section 8		Exposure controls/personal protection
8.1	Control parameters	<p>Occupational Exposure Limits – for national OEL see section 15</p> <p>Recommended monitoring procedures – not established</p> <p>DNEL (Long term & acute) Not available</p> <p>PNEC Not available</p> <p>Soil, sediments & marine water contain considerably high concentrations of sodium carbonate & bicarbonate ions naturally</p> <p>Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines</p> <p>Wear safety glasses with side shields or goggles if exposure causes irritation</p> <p>Wear suitable protective clothing & footwear, routinely wash workwear to remove residues</p> <p>Chemical resistant gloves are recommended if exposure causes irritation</p> <p>If ventilation is insufficient, wear a dust mask or respirator</p> <p>Thermal hazards – not applicable</p>
8.2	Exposure controls	
Section 9		Physical and Chemical Properties

<p>9.1 Information on basic physical & chemical properties</p> <p style="text-align: right;">Other information</p>	<p>Appearance: Free flowing white or slightly yellow powder Odour: neutral Odour threshold – not available pH: not applicable Melting point/freezing point – not available Boiling point, initial boiling point & boiling range – not available Flash point: not available Auto ignition temperature $\geq 170^{\circ}\text{C}$ (338°F) Flammability (solid,gas) – not available Flammability limit lower – not available Flammability limit upper – not available Oxidising properties – not applicable Explosion properties: – MIE: 30mJ at normal moisture level, Pmax: 9.5bar, Kst:195bar m/s Explosive limit – not applicable Vapour pressure – not applicable Vapour density – not applicable Evaporation rate – not applicable Relative density – not applicable Solubility – insoluble/partly soluble: forms a slurry in cold water. Soluble only at elevated temperatures (70°C) Partition coefficient (Log K octanol/water) – not available Decomposition temperature – not available Viscosity - not available Percent volatile - not available No relevant additional information available</p>
<p>Section 10</p>	<p>Stability and reactivity</p>
<p>10.1 Reactivity 10.2 Chemical stability 10.3 Possibility of hazardous reactions 10.4 Conditions to avoid 10.5 Incompatible materials 10.6 Hazardous decomposition materials</p>	<p>None known Stable under prescribed storage conditions Hazardous polymerization does not occur Incompatible materials. Minimize dust generation & accumulation Strong oxidising agents/acids No hazardous decomposition products are known</p>
<p>Section 11</p>	<p>Toxicological information</p>

<p>General information</p> <p>Information on likely routes of exposure:</p> <p style="padding-left: 40px;">Ingestion:</p> <p style="padding-left: 40px;">Inhalation:</p> <p style="padding-left: 40px;">Skin contact:</p> <p style="padding-left: 40px;">Eye contact:</p> <p style="padding-left: 40px;">Symptoms:</p> <p>11.1 Information on toxicological effects:</p> <p style="padding-left: 40px;">Acute toxicity:</p> <p style="padding-left: 40px;">Skin corrosion/irritation:</p> <p style="padding-left: 40px;">Serious eye damage/eye irritation:</p> <p style="padding-left: 40px;">Respiratory sensitization:</p> <p style="padding-left: 40px;">Skin sensitization:</p> <p style="padding-left: 40px;">Germ cell mutagenicity:</p> <p style="padding-left: 40px;">Carcinogenicity:</p> <p style="padding-left: 40px;">Reproductive toxicity:</p> <p style="padding-left: 40px;">Specific target organ toxicity-single exposure:</p> <p style="padding-left: 40px;">Specific target organ toxicity-repeated exposure:</p> <p style="padding-left: 40px;">Aspiration hazard:</p> <p>Mixture versus substance information:</p> <p style="padding-left: 40px;">Other information:</p>	<p>Under normal conditions of intended use, this material does not impose a risk to health</p> <p>No harmful effects expected in amounts likely to be accidentally ingested</p> <p>Under normal conditions of expected use, not expected to be an inhalation hazard</p> <p>None known</p> <p>Direct contact with eyes may cause temporary irritation</p> <p>Dust may irritate eyes and respiratory system</p> <p>Dust may irritate eyes & the respiratory system</p> <p>Not assigned</p> <p>Direct contact with eyes may cause temporary irritation</p> <p>None known</p> <p>None known</p> <p>Not assigned</p> <p>Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA</p> <p>None known</p> <p>None known</p> <p>None known</p> <p>Not applicable</p> <p>Not available</p> <p>Not available</p>
Section 12	Ecological information
<p>12.1 Toxicity:</p> <p>12.2 Persistence and degradability:</p> <p>12.3 Bioaccumulative potential:</p> <p style="padding-left: 40px;">Mobility</p> <p>Environmental fate-partition coefficient:</p> <p>12.4 Mobility in soil:</p> <p>12.5 Results of PBT and vPvB assessment</p> <p>12.6 Other adverse effects:</p>	<p>Non toxic – the substance dissociates readily into its constituent ions, which are found in nature</p> <p>No data available</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>None known</p>
Section 13	Disposal Considerations
13.1 Waste treatment methods	Dispose of the product, packaging and any residuals in compliance with local and national regulations
Section 14	Transport information
<p>14.1 UN Number</p> <p>14.2 UN Proper Shipping Name</p> <p>14.3 Transport Hazard Classes</p> <p>14.4 Packing Group</p> <p>14.5 Environmental Hazards</p> <p>14.6 Special Precautions for User</p> <p>14.7 Transport in Bulk according to Annex II of MARPOL 73/78& the IBC Code</p>	<p>None</p> <p>None</p> <p>ADR, RID, AND, IATA, IMDG – not regulated as dangerous goods</p> <p>None</p> <p>None</p> <p>Not applicable</p> <p>No information available</p>
Section 15	Regulatory Information
<p>15.1 Safety, health & environmental regulations/legislation specific for the substance or mixture</p> <p>15.2 Chemical safety Assessment</p>	<p>This SDS complies with the requirements of Regulation (EC) no 1907/2006</p> <p>A chemical safety assessment is not required for this substance.</p>
Section 16	Other information

<p>Disclaimer:</p>	<p>List of abbreviations-not available References: Not available Revision Information: first issue Date of first issue: 21.05.2018</p> <p>Supersedes: n/a Reason for changes:</p> <p>This product can be declared as “laundry starch” & has been developed for conventional applications in the laundry industry. The information & recommendations in this SDS was obtained from sources which we believe to be reliable and are presented in good faith. However the information is provided without any warranty, express or implied, regarding its accuracy, reliability or completeness. Being compiled from various sources it is not necessarily all inclusive nor fully adequate in every circumstance. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. NB Use of this product with other components may invalidate the safety data provided and would no longer be applicable. Review date: 12.07 2023 – no changes on review</p>
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