



CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

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MATERIAL SAFETY DATA SHEET

Lauryl Glucoside

SECTION 1 – IDENTIFICATION

GHS Product Identifier | Trade Name: Cola®Det L-116 CAS Number: 68585-34-2, 110615-47-9, 61789-40-0 INCI Name: Sodium Laureth Sulfate, Lauryl Glucoside, Cocamidopropyl Betaine Uses of the Substance / Mixture: Surfactant for various personal care applications Formula: N/A Synonym: N/A

SECTION 2 – HAZARDOUS IDENTIFICATION

Classification: Classification (GHS/Regulation (EC) No 1272/2008) Skin Irritation, Category 2 H315: Causes skin irritation Serious Eye Irritation, Category 2 H319: Causes serious eye irritation Label Elements: Hazardous products which must be listed on the label: None Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Pictogram: Signal word: Warning Hazard statements: H315 Causes skin irritation H319 Causes serious eye irritation Precautionary statements: Prevention P264 Wash skin thoroughly after handling P280 Wear protective gloves/eye protection/face protection Response P302 + P352 IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse Storage P401 Store in an area between 15-35°C P404 Store in a closed container P420 Store away from strong oxidizing agents and reducing agents Disposal Safety Data Sheet Cola®Det L-116 Colonial Chemical, Inc. 225 Colonial Drive South Pittsburg, TN 37380 Emergency: 423-837-8800

Chemtrec: 800 424-9300 Issue date: 1/13/2014 2 of 6 P501 Dispose of contents/container in accordance with local, regional, national and/or international regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance Chemical nature: Surfactant Information on Components and Impurities Chemical Name CAS No. GHS Classification Concentration (%) Sodium Laureth Sulfate 68585-34-2 H315: Causes skin irritation, Category 2 H319: Causes serious eye irritation, Category 2 40 - 45 Water 7732-18-5 None 36 - 39 Lauryl Glucoside 110615-47-9 H315: Causes skin irritation, Category 2 H318: Causes serious eye damage, Category 1 5 - 10 Cocamidopropyl Betaine 61789-40-0 H315: Causes skin irritation, Category 2 H319: Causes serious eye irritation, Category 2 5 - 10 Sodium Chloride 7647-14-5 None 3 - 5

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself/herself. Place affected clothing in a sealed bag for subsequent decontamination. Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Skin contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention. Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If present and easy to do, remove contacts. Consult a physician. Ingestion: Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media Suitable extinguishing media: H₂O, CO₂, Dry Chemical, BC/ABC Extinguishers Special hazards arising from the substance or mixture Specific hazards during firefighting: On combustion forms carbon monoxide, carbon dioxide, potassium oxide Advice for firefighters Special protective equipment: Self-contained breathing apparatus (EN 133) Full protective suit

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing. Methods for Cleaning or Taking Up SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal. LARGE SPILLS: Dike far ahead of spill for later disposal. To avoid gelling and foaming problems, do not use water to flush to industrial sewer. Spills may be reportable to local, state, federal and/or provincial authorities. Safety Data Sheet Cola®Det L-116 Colonial Chemical, Inc. 225 Colonial Drive South Pittsburg, TN 37380 Emergency: 423-837-8800 Chemtrec: 800 424-9300 Issue date: 1/13/2014 3 of 6 Additional advice Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 – HANDLING AND STORAGE

Handling Advice on safe handling and usage: Avoid contact with skin and eyes Storage Recommended: Store in original container. Store tightly closed. Store in an area between 10-30 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters Components Value Type Value Update Basis N/A
Components with workplace foreign control parameters Components Value Type Value Update Basis
N/A Control Measures Engineering measures: Avoid splashes. Apply technical measures to comply with any occupational exposure limits when applicable. Personal protective equipment Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment. Hand protection: Wear appropriate gloves. In EU member states, gloves should satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe instructions provided by the glove supplier regarding permeability and breakthrough time. Also, take into consideration the specific local conditions under which the product is used, such as danger of cuts, abrasion and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Eye protection: Wear safety goggles. In case of contact through splashing: Wear face-shield and protective suit. Skin and body protection: Wear appropriate clothing to avoid direct skin contact. Remove and wash contaminated clothing before wearing again. Hygiene measures: Emergency equipment nearby and immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, wellmaintained personal protection equipment. Store the personal protection equipment in a clean location away from the work area. Contaminated work clothing should not be allowed out of the workplace. Before re-use, thoroughly clean personal protection equipment. Wash hands before breaks and immediately after handling the product. Shower or bathe at the end of working. When using the product do not eat, drink or smoke. Protective measures: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should take into account the performance of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use. Safety Data Sheet Cola®Det L-116 Colonial Chemical, Inc. 225 Colonial Drive South Pittsburg, TN 37380 Emergency: 423-837-8800 Chemtrec: 800 424-9300 Issue date: 1/13/2014 4 of 6

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: Liquid Physical state: Liquid Color: Clear Odor: organic Odor Threshold: no data available Safety data pH: 6.0 – 7.5 Melting point/range: no data available Boiling point/boiling range: 100 °C Flash point: not flammable Flammability (solid, gas): no data available Auto-ignition temperature no data available Water solubility: no data available Solubility in other solvents no data available Partition coefficient: noctanol/water: no data available Vapor pressure: no data available Evaporation rate: no data available Relative vapor density: no data available Density: no data available Oxidation/Reduction Potential: no data available Viscosity, dynamic: no data available Viscosity, kinematic: no data available Explosive properties: no data available Thermal decomposition: no data available Lower explosion limit: no data available Upper explosion limit: no data available

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability Stable Hazardous reactions Conditions to avoid Prolonged, excessive heat Materials to avoid Strong oxidizing agents, reducing agents

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity Acute oral toxicity: no data available Acute inhalation toxicity: no data available Acute dermal toxicity: no data available Other routes of administration: no data available Aspiration toxicity: no data available Skin corrosion/irritation Skin irritation: May cause skin irritation Serious eye damage/eye irritation Eye irritation: May cause eye irritation Respiratory or skin sensitization Sensitization: no data available Repeated dose toxicity Repeated dose toxicity: no data available STOT STOT - single exposure: no data available STOT - repeated exposure: no data available Safety Data Sheet Cola®Det L-116 Colonial Chemical, Inc. 225 Colonial Drive South Pittsburg, TN 37380 Emergency: 423-837-8800 Chemtrec: 800 424-9300 Issue date: 1/13/2014 5 of 6 Carcinogenicity Carcinogenicity: no data available Mutagenicity Genotoxicity in vitro: no data available Genotoxicity in vivo: no data available Reproductive toxicity Reproductive toxicity: no data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity assessment Ecotoxicity assessment: no data available Persistence and degradability Biodegradability: no data available Bioaccumulation Bioconcentration factor (BCF): no data available Other adverse effects Environment assessment: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Disposal Advice on Disposal: Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

ADR not regulated RID not regulated IMDG not regulated IATA not regulated Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15 – REGULATORY INFORMATION

TSCA: Listed DSL: Listed AICS: Listed PICCS: Listed ECL: Listed NZIoC: Listed IECSC: Listed SARA 302: Ethylene Oxide CAS: 75-21-8 < 5 ppm California Proposition 65: This product contains the following chemicals known to the state of California to cause cancer and/or birth defects or reproductive harm. Ethylene Oxide CAS: 75-21-8 < 5 ppm 1,4 dioxane CAS: 123-91-1 < 6 ppm Dichloroacetic acid CAS: 79-43-6 Trace Follow all regulations in your country or region. Colonial Chemical, Inc is unable to confirm all regulatory information in regard to the substances in your country or region, and this information is subject to change without notice.

SECTION 16 – OTHER INFORMATION

Safety Data Sheet Cola®Det L-116 Colonial Chemical, Inc. 225 Colonial Drive South Pittsburg, TN 37380
Emergency: 423-837-8800 Chemtrec: 800 424-9300 Issue date: 1/13/2014 6 of 6 Full text of H-Statements referred to under sections 2 and 3. H315 Causes skin irritation. H319 Causes serious eye irritation. Full text of P-Statements referred to under sections 2 and 3. P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse P401 Store in an area between 5-50 °C P404 Store in a closed container P420 Store away from strong oxidizing agents and reducing agents P501 Dispose of contents/container in accordance with local, regional, national and/or international regulations.