MATERIAL SAFETY DATA SHEET

Section I—Chemical Product and Company Information

Product Name: Crystal Soap

Synonym: Transparent Soap

Manufacturer/Supplier: SHENZHEN KEDI BIOTECHNOLOGY CO.,LTD

Tongle Industrial Park, Baolong Road. Longgang District, ShenZhen, P.R.China.
Tel: 0755-89334800; Fax:0755-89334900
Chem Family: Detergent

Chem Formula: Mixture

Product Code: KD-78

Information supplied by Shenzhen Kedi Chemical Technology CO.,LTD
MSDS Information: 00210
MSDS Revision Date: 07/08/2015

Section II—Composition//Information on Ingredients

Product Information

Crystal Soap (CAS # Mixture) is an mixture of varying proportions of fatty acid and other additives, which are not considered hazardous in concentration using.

Components	Percent Range	Cas Number
Water	10-15	7732-18-5
Sodium Stearate	10-14	822-16-2
Propylene Glycol	10-13	57-55-6
Sodium Oleate	9-12	143-19-1
Sodium Palmitate	8-11	408-35-5
Sucrose	8-11	57-50-1
Sorbitol	8-10	50-70-4
Sodium Laurate	6-8	629-25-4
Glycerine	6-8	56-81-5
Sodium Chloride	0.1-0.3	7647-14-5
Tetrasidium EDTA	0.1-0.2	64-02-8

Section III—Hazards Identification

A. Emergency Overview

Physical appearance and odour: Transparent colorless Solid, Slight odour

Warning Statements: Based on currently available data. This product does not meet the regulatory definition of a hazardous substance.

B. Potential health effects:

Acute eye: Non-irritating may cause redness, irritation

Acute shin: Non-irritating may cause redness, irritation

Acute inhalation: inhalation not likely

Acute ingestion: practically non-toxic

Cronic effects: This product does not contain any ingredient designated by IARC, NTP or OSHA as probable or suspected human carcinogens.

Section IV—First aid measures

Eye contact: immediately flush the affected eye with copious quantities of water for at least 15 minutes if inflammation develops, receive medical attention.

Skin contact: flush skin with amounts of water

Inhalation: moue from exposure to a place with fresh air, seek medical attention if respiratory irritation or distress continues.

Ingestion: 1.drink enough water to disgorge; 2. hospitalizing

Section V—Fire protection measures

Dangerous characteristic: meeting fire or touch with oxidant may cause burning.
The dangerous burning outcome include carbon monoxide, carbon dioxide

The measurement of putting out a fire: fire protection personnel must wear mask of gas defence out of harm's way and put out a fire at windward direction. The extinguisher include: water with fog state, bubble, dry powder, CO_2, soil.

Section VI—Emergency Treatment against Leakage

EVACUATION PROCEDURES AND SAFETY: Wear appropriate protective gear for the situation. See personal Protection information in Section VIII.

CONTAINMENT OF SPILL: Follow procedure described below under CLEANUP AND DISPOSAL OF SPILL.

CLEANUP AND DISPOSAL OF SPILL: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section VII: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal.

ENVIRONMENTAL AND REGULATORY REPORTING: Do not flush to drain. Spills may

be reportable to the National Response Centre and to state and/or local agencies.

Section VII—HANDLING AND STORAGE

MINIMUM/MAXIMUM STORAGE TEMPERATURES: -20-50℃(-4to122℉) recommended.

HANDLING: Avoid breathing vapours and mists. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring.

STORAGE: Store in tightly closed containers. Store in an area that is dry, well ventilated away from ignition sources, away from incompatible materials(See Section X. Stability and Reactivity). Expected shelf life if stored at recommended temperatures: 6 months.

Section VIII—EXPOSURE CONTROLS/PERSONAL PROTECTION

INTRODUCTORY REMARKS:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section XIII: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufactures.

EXPOSURE GUILDLINES: No exposure limits were found for this product or any of its ingredients.

ENGINEERING CONTROLS: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

RESPIRATORY PROTECTION: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

EYE/FACE PROTECTION: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of chemical safety glasses with side shields or splash proof goggles. Emergency eyewash must be readily accessible to the work area.

SKIN PROTECTION: Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing(i.e. shirts and pants). Consideration must be given both to durability as well as permeation resistance.

WORK PRACTICE CONTROLS: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1. Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with the material.

Section IX—PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Transparent colorless Solid (APHA): 50min ODOUR: Slight odour.
H_2O SOLUBILITY: Soluble BOILING POINT: > 100℃ @ 760 mmHg VAPOUR PRESSURE: <0.1 mmHg @ 25℃
SPECIFIC GRAVITY: ca. 0.9 @ 25℃ MELTING POINT RANGE: 55-65℃

Section X—STABILITY AND REACTIVITY

STABILITY: Stable under normal handling and storage conditions described in Section VII.
CONDITIONS TO AVOID: Excessive heat, open flame and spark.
MATERIALS TO AVOID: Strong bases, strong oxidizing agents and strong reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may product oxides of carbon.
HAZARDOUS POLYMERISATION: Wil not occur.

SectionXI—TOXICOLOGY INFORMATION

ACCUTE EYE IRRITATION: No test data found for product.
ACCUTE SKIN IRRITATION: No test data found for product.
ACCUTE DERMAL TOXICITY: No test data found for product.
ACCUTE RESPIRATORY IRRITATION: No test data found for product.
ACCUTE INHALATION TOXICITY: No test data found for product.
ACCUTE ORAL TOXICITY: LD50=lethal dose 50% of test species,>5g/kg, rat.
CHRONIC TOXICITY: This product does not contain any substances that are considered by OSHA, NTP. IARC or ACGIH to be 'probable' or 'suspected' human carcinogens.
No additional data found for product.

Section XII—ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data found for product.

CHEMICAL FATE INFORMATION: No data found for product.

Section XIII—DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more, restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

CONINNER HAMDLING AND DISPOSAL:

Any containers equipment used should be decontaminated immediately after use.

EPA HAZARDOUS WASTE:

No.

Section XIV—TRANSPORTATION INFORMATION

TRANSPORTATION STATUS:IMPORTANTI Statements below provide additional data on listed DOT Classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US DEPARTMENT OF TRANSPORTATION:

Shipping Name: Not regulated

Section XV—REGULATORY INFORMATION

INVENTORY STATUS

Inventory	Status
United States(TSCA)	Y
Canada(DSL)	Y
Europe(EINECS/ELINCS)	Y
Australia(AICS)	Y
Japan(MITI)	Y
South Korea(KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one more ingredients are not the inventory and exempt from listing.

FEDERAL REGULATIONS: Inventory Issues: All functional components of this product are listed on the TSCA Inventory

SARA Title III Hazard Classes: Fire Hazard - No

Reactive Hazard - No
Release of Pressure - No
Acute Health Hazard - No
Chronic Health hazard - No

STATE REGULATIONS: This product does not contain any components that are regulated under Califomla Proposition 65

Section XVI—OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS---NFPA(R):

0 Health Hazard Rating — Minimal
1 Flammability Rating — Slight
0 Instability Rating — Minimal

NATIONAL PAINT & COATING HAZARDOUS MATERIALS IDENTIFICATION SYSTEM—HMIS(R)

0 Health Hazard Rating — Minimal
1 Flammability Rating — Slight
0 Reactivity Rating — minimal

KEY LEGEND INFORMATION:

ACGIN --- American Conference of Governmental Industrial Hygienists
OSHA --- Occupational Safety and Health Administration
TLV --- Threshold Limit Value
PEL --- Permissible Exposure Limit
TWA --- Time Weighted Average
STEL --- Short Term Exposure Limit
NTP --- National Toxicology Program
IARC --- International Agency for Research on Cancer
ND --- Not Determined
RPL --- Rhodia Established Exposure Limits