

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF MANUFACTURER

Company: Kenei Pharmaceutical Co., Ltd.
 Address: 5-8, 2-chome, Fushimimachi, Chuo-ku, Osaka
 Department in charge: Medical Information Department
 Phone No.: 81-6-6231-5626 FAX No.: 81-6-6204-0750
 Contact: Medical Information Department,
 Kenei Pharmaceutical Co., Ltd.

Date of issue and revision: June 13, 2012

PRODUCT NAME	TEPICA HAND SOAP
---------------------	-------------------------

IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Classification of the substance or mixture : Mixture

Ingredients and content : Active ingredient: Isopropylmethylphenol
 Other ingredients: Copolymer liquid of
 2-methacryloyloxyethyl phosphorylcholine and n-butyl
 methacrylate, glycosyl trehalose-hydrogenated starch
 decomposed product mixed solution, disodium edetate,
 propylene glycol, dimethyldiallylammonium
 chloride-acrylamide copolymer solution, sodium
 polyoxyethylene laurylether sulfate, coconut oil fatty acid
 amidopropyl betaine solution, diethanol amide laurate,
 sodium lauryl sulfate, anhydrous citric acid, sodium
 benzoate, phenoxy ethanol, and ethanol

Chemical formula or structural formula : Isopropylmethylphenol C₁₀H₁₄O
 (molecular weight: 150.22)

CAS No. : 3228-02-2

Reference number in gazetted list in Japan: (Chemical Substance Control Law) 3-521 (Industrial Safety
 and Health Act) 4-(10)-98

Components contributing to hazards : No applicable component

HAZARD IDENTIFICATION

Name of classification : Not classified.

Physical hazards : Slightly irritant when comes in contact with eyes, skin, etc.

Environmental hazards : No specific data

Physical and chemical hazards : Flammable

FIRST AID MEASURES

Eye contact : Immediately flush eyes with clean water for at least 15
 minutes. Seek medical attention depending on symptoms.

Skin Contact : Thoroughly wash affected area with soap and water.

Inhalation : Wash the mouth inside with water and seek medical
 attention depending on symptoms.

Ingestion : Immediately move the victim into fresh air and seek
 medical attention depending on symptoms.

FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Dry chemical, carbon dioxide, and foam
Specific methods of fire-fighting	: Not subject to the Fire Service Act but combusts at high temperature. Cut out combustion sources around the fire and use fire extinguishers.
Special protective equipment and precautions for fire-fighters	: Fire-fight from the windward side and wear fire-retardant clothing and other personal protective equipment.

ACCIDENTAL RELEASE MEASURES

Personal precautions	: Take care to prevent contact with eyes and skin.
Environmental precautions	: No specific data
Methods for removal	: Wipe away and collect spillage into an empty container.

HANDLING AND STORAGE

Precautions for handling	: Do not handle with bare hands. Wear eye protectors and solvent-resistant gloves.
Precautions for storage	: Store at a dark cold location free of exposure to direct sunlight.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control exposure limit	: Not established.
Permissible exposure limit	: Not established.
Engineering control	: Make the equipment sealed or provide local exhaust equipment.
Personal protective equipment	
Eyes and face	: Wear eye protectors when any dust and gas generation is anticipated.
Protective clothing	: Wear oil-resistant gloves and long-sleeved oil-resistant working clothes.
Respiratory protection	: Wear respirator for organic vapors when dust and gas generation is anticipated.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance, etc.	: Colorless or white acicular crystal
Boiling point	: 244°C
Melting point	: 110 to 113°C
Flash point	: 120°C
Vapor pressure	: 2×10^{-3} mmHg (20°C)
Specific gravity	: No specific data
Solubility to solvents	: Water: 0.01% (25°C); other ethanol: 45.2% (25°C)

RISK INFORMATION (STABILITY AND REACTIVITY)

Ignitability (spontaneous combustibility and reactivity with water)	: None
Oxidizability, self-reactivity and explosiveness	: None
Stability and reactivity	: Stable under normal handling conditions. May absorb ultraviolet rays and be colored.

TOXICOLOGICAL INFORMATION

Effect on animals	
Skin irritation	: None
Skin corrosion	: None
Eye irritation	: Slight
Skin sensitization	: None
Photosensitivity	: None
Acute toxicity	: LD ₅₀ oral, mouse, 6280 mg/kg LC ₅₀ inhalation, rat, >1.41 mg/L
Subacute toxicity	: Low toxicity/60 days
Chronic toxicity	: Low toxicity/90 days
Mutagenicity (microorganism)	: Ames Test: Negative
Mutagenicity (chromosome)	: Mouse lymphocytes; Breast tumor test: Negative

ECOLOGICAL INFORMATION

Degradability	: COD (130 mg-O ₂ /L); BOD (3 mg-O ₂ /L); TOC (70 mg-O ₂ /L)
Bioaccumulation and fish toxicity	: No specific data
Ecotoxicity	: No specific data

DISPOSAL CONSIDERATIONS

Dispose of by incineration.

TRANSPORT INFORMATION

UN No.: Not applicable

Avoid exposure to direct sunlight and take care to prevent breakage of containers.

REGULATORY INFORMATION

Fire Service Act	: Designated combustibles
Wastes Disposal and Public Cleansing Act	: Industrial waste regulations
Industrial Safety and Health Act, notifiable substances, and Pollutant Release and Transfer Register Law	: Not applicable

OTHER INFORMATION

- The described contents in this material safety data sheet (MSDS) are intended for providing information and are not intended for providing any warranty.
- The precautions, etc. contained in this document are for ordinary handling. For special handling, it is the obligation of each user of the product to provide safety measures suitable for the applications and use.
- The risk information, harmfulness information, etc. contained in this document do not always cover all of the evaluations. The user is urged to handle the product with utmost care.
- The present material safety data sheet is created on the basis of materials and data available at the present moment and may be subject to revision as new findings become available.

Contact for inquiries on the described contents:

Medical Information Department, Kenei Pharmaceutical Co., Ltd.

Phone No.: 81-6-6231-5626 FAX No.: 81-6-6204-0750