

SAFETY DATA SHEET

Revised Date: Mar.28, 2020

***** Section1 - Chemical Product and Company Identification *****

Product

Product name: Organic surfactant EMBKC

Synonyms: Blend of Alkyl dimethyl benzyl ammonium chloride & Alkyl dimethyl ethylbenzyl ammonium chloride

CAS No. : 68391-01-5 & 68956-79-6

Supplier Information

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***** Section2 - Hazards Identification *****

Classification of the substance or mixture

Acute toxicity - Oral, Category 3

Acute toxicity - Dermal, Category 3

Skin corrosion, Category 1C

Serious eye damage, Category 1

Hazardous to the aquatic environment, short-term (Acute) - Category Acute 1

GHS label elements, including precautionary statements



Pictogram(s):

Signal word Danger

Hazard statement(s) H301 Toxic if swallowed
H311 Toxic in contact with skin
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H400 Very toxic to aquatic life

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

***** Section3- Composition/Information On Ingredients *****

Chemical name	CAS Number	Percent
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	40%
Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	40%
Water	7732-18-5	20%

***** Section4- First Aid Measures *****

Eyes

After eye contact , Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin

For skin contact Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Don't induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

***** Section5- Fire-Fighting Measures *****

Extinguishing media

Use water spray, dry chemical or carbon dioxide to put out the fire.

Hazardous products of combustion:

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride.

Special protective equipment :

Wear self-contained breathing apparatus for firefighting if necessary.

***** Section6- Accidental Release Measures *****

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid the dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid the inhalation of the dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up

Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

***** Section7- Handling And Storage *****

Precautions for safe handling

Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid inhalation of vapour or mist.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent

***** Section8- Exposure Controls/Personal Protection*****

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

no data available

***** Section9- Physical And Chemical Properties ****

Appearance and Odor : Clear to yellowish liquid
Odor: No data available
Specific Gravity : 0.95g/ml
Vapor Pressure : Not Determined or Unknown
Vapor Density : Estimated heavier than air.
Evaporation Rate : Estimated slower than ethyl ether.
pH Value : 6 – 9 @ 10% Aqueous Solution
Ignition temperature (°C) :No data available
Flash point (°C) :No data available
Melting point (°C): No data available
Boiling point (°C): No data available
Heat of combustion (kJ/mol): No data available
Upper explosive limit% (V/V): No data available
Lower explosive limit% (V/V): No data available

***** Section10- Stability And Reactivity ****

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Heat, Moisture.

Incompatibility

This product may react with strong oxidizing agents.

Hazardous Decomposition

No data available.

***** Section11- Toxicological Information ****

Acute toxicity:Oral: LD50 Rat oral 84 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

***** Section12- Ecological Information ****

Ecotoxicity: no data available

Biodegradability : no data available

Abiotic degradation: no data available

Bioaccumulation: no data available

***** Section13- Disposal Considerations ****

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

***** Section14- Transport Information ****

UN number: 3265

UN proper shipping name: CORROSIVE LIQUID, N.O.S.

Transport hazard class: Class 8

Packing group: III

***** Section15- Regulatory Information ****

Safety, health and environmental regulations/legislation specific for the substance or mixture:

No data available

***** Section16- Other Information ****

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.