CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

B 406 kailas Business park,Veer savarkar marg,Vikhroli powai link raod,
Vikhroli (west) Mumbai 400 079, India. Tele: +91 22 6692 0467 , 6221 5429
Email info@chemsynth.co.in

MATERIAL SAFETY DATA SHEET

Caprylic-Capric Acid

1. **CHEMICAL PRODUCT IDENTIFICATION**
1.1 Product Name Caprylic-Capric Acid, Fatty Acid C8-C10
1.2 Common Chemical Name Caprylic Acid-Capric Acid, Octonoic-Decanoic Acid
1.3 Product Code (Supplier) Caprylic-Capric Acid, C8C10 FA

2. COMPOSITION / INFORMATION ON INGREDIENTS
2.1 Chemical Characterization (Substance) Blend of Octonoic-Decanoic acid
2.2 Compound, % by Weight 100
2.3 CAS Number 68937-75-7 or 67762-36-1
2.4 EINECS Number 273-086-2 or 261-013-3
2.5 Formula $C_8H_{16}O_2$ – $C_{10}H_{20}O_2$

3. HAZARD IDENTIFICATION
3.1 European Hazard Classification C- corrosive, R34-causes burns
3.2 Environmental Hazards Product is biodegradable
3.3 Human Health Hazards, Effects, and Symptoms:
a. Ingestion May cause irritation and damage to gastrointestinal tract
b. Inhalation
No harmful effect expected at ambient temperature.
Vapours cause irritation. May cause coughing or breathing difficulties
c. Skin Contact Causes irritation to skin
d. Eye Contact Causes burns and severe damage to eyes

4. FIRST AID MEASURES
4.1 Inhalation Take affected person into open air. In case the person is unable to breathe, provide artificial respiration. Seek medical attention immediately
4.2 Skin Contact Remove contaminated clothing and wash thoroughly with soap and water
4.3 Swallowing Do not provide any type of ingestion to an unconscious person. Do not induce vomiting. Seek medical attention
4.4 Eye Contact Immediately flush eyes with a direct stream of water for at least 15 minutes. Seek medical attention

5. FIRE FIGHTING MEASURES
5.1 Extinguishing Media:
a. Suitable Carbon dioxide, dry chemical or foam
b. Not Suitable Water may be ineffective

c. Special Fire Fighting Procedures In case of high temperatures or fire, use a water

5. FIRE FIGHTING MEASURES
jet to cool the tank containing the product
5.2 Unusual Fire or Explosion Hazards May result in the generation of carbon monoxide or carbon dioxide
5.3 Hazardous Thermal Decomposition Upon decomposition, the product releases carbon dioxide, carbon monoxide,
hydrocarbons, soot, aldehydes and ketones
5.4 Protection for Fire-Fighters Wear self-contained breathing apparatus and protective clothing to avoid direct contact with
eyes, face and skin
6. ACCIDENTAL RELEASE MEASURES
6.1 Personal Precautions Wear personal protection gear. Observe all standard industry measures
6.2 Environmental Precautions In case of spillage, cover the spilt amount with sand or soil to absorb the product, Then, collect the sand or soil
with the absorbed product into a suitable container and
dispose. Prevent entry of product into drains and ground
water
6.3 Clean Up Method Cover the product with dry earth or sand so that it may be absorbed. Then, transfer into a container for disposal.
Wash affected area with water and detergent
7. HANDLING AND STORAGE
7.1 Handling Follow good hygiene and safety procedures. Avoid
any direct eye and skin contact with the product. Wash
hands with soap after handling
7.2 Storage Store in sealed containers, in a cool and dry place,
away from heat, strong acids and oxidising agents
7.3 Suitable Packing Materials HDPE carboys, stainless steel or aluminium tanks, lacquer- lined MS drums
7.4 Unsuitable Packing Material Unlined MS drums
8. EXPOSURE CONTROLS / PERSONAL PROTECTION
8.1 Ventilation / Engineering Controls Use adequate ventilation to keep airborne concentration low. Avoid inhalation of vapours
8.2 Respiratory System Protection None required when adequate ventilation available at ambient temperature. In presence of
mist/vapours, use self-contained NIOSH/MSHA
approved respirator
8.3 Skin and Body Protection Wear a uniform, apron and rubber boots
8.4 Eye Protection Wear safety goggles or a face mask
8.5 Other Protective Equipment Eye wash, safety shower, protective clothing
9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Average Molecular Weight Approximately 157
9.2 Specific Gravity 0.9 at 200 C
9.3 Gas Density Not available
MSDS Caprylic-Capric Acid.
9.4 Liquid Density Not available
9.5 Vapour Pressure At 720F (220C)<1mm Hg
9.6 Solubility in Water Very negligible

9.7 Percent Volatiles by Volume Not available
9.8 Evaporation Rate Not available
9.9 pH Not available
9.10 Sublimation Point Not available
9.11 Appearance, Odour and State Clear colourless liquid characteristic pungent fatty odour

10. STABILITY AND REACTIVITY

10.1 Chemical Stability Stable under normal operational conditions
10.2 Conditions to Avoid Sources of heat, ignition and flame
10.3 Materials to Avoid Strong acids and oxidising agents
10.4 Hazardous Polymerisation Products None
10.5 Hazardous Decomposition Products Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity Low acute toxicity>2000 mg/kg
a. Oral (LD50) (Rat) >2g/Kg
b. Dermal (LD50) (Rabbit) >2g/Kg
c. Inhalation (LC50) Not available
d. Skin Irritation Corrosive and an irritant
e. Eye Irritation Corrosive and an irriant
f. Carcinogenicity Not reported

12. ECOLOGICAL INFORMATION

12.1 Comment This product is very easily biodegradable (90%) and does not cause difficulties in waste water treatment plants. Being insoluble in and lighter than water, large amounts of contamination can be separated using standard oils and fats separators
12.2 Eco-Toxicity Data not available

13. DISPOSAL CONSIDERATIONS

13.1 Methods of Disposal Reprocess or dispose of in accordance with local, state and federal regulations, in an approved area

14.TRANSPORT INFORMATION

Proper Shipping Name Corrosive Liquid, Acidic, Organic, N.O.S.
Technical Name Octanoic-Decanoic acid
14.1 UN Number 3265
14.2 Land Road / Railway
14.21 ADR/RID Class Class 8, packing Gr. III
14.22 ADR/RID Item Number Sub risk no-40-c
14.3 Inland Waterways
14.31 ADNR Class Class 8, packing Gr. III, sub risk no-40-c
14.4 Sea
MSDS Caprylic-Capric Acid.
14.41 IMDG Class Class 8, packing Gr. III
14.42 IMDG Page Number 8-15/760-4.3
14.5 Air
14.51 IATA-DGR Class Class 8, Gr. III
14.6 National Transport Regulations Class 8, Gr. III

15. REGULATORY INFORMATION

15.1 EEC Regulations This product is classified as corrosive according to the EEC directive
15.2 Inventory Status AICS, China, EINECS, DSL, Japan, Korea, Philippines, TSCA

15.2 Others According to available data, the product is not regulated.
One should, however, observe prescribed federal, state and
local measures while dealing with chemicals

16. OTHER INFORMATION

Warning: The information given in this MSDS has been compiled from sources which are considered by us as latest, accurate, and dependable. However, chemsynth corporation expresses no warranty or guarantee of any kind, with respect to any damages or injuries arising out of use of this material alone or other wise and the correctness of the data presented. Chemsynth corporation assumes no responsibility, whatsoever for any injury to the recipient, user, or third person for any damages resulting from use of this product, alone or with other material.

* * * * *