Glory Global
CO.,LTD

Material Safety Data Sheet

Product name	Capric Acid 98% min, Capric Acid 99%min

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product name	Capric Acid 98% min, Capric Acid 99%min
1.2. CAS-No.	334-48-5
1.3. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	Raw material for manufacturing oleochemical derivatives for Pharmaceutical, food, cosmetic and industrial use.
1.4. Details of the supplier of the safety data sheet	
Company	Glory Global CO.,LTD
Address	C-208, 10, Nowon-ro 15-gil, Nowon-gu, Seoul, Korea
Emergency Phone	+82 2 6223 0862

2. Hazards identification

2.1. Classification of the substance or mixture	
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Skin Irritation: Category 2 Eye Irritation: Category 2
2.2. GHS Label elements, including precautionary statements	Not a hazardous substance or mixture.
Pictogram	
Signal word	Warning
Hazard statement(s)	H315: Causes skin irritation . H319: Causes serious eye irritation
Precautionary code and statements:	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. P332 & P313 :If skin irritation occurs, get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P305 & P351: If in eyes, rinse cautiously with water for several minutes. P338: Remove contact lenses, if present and easy to do. Continue rinsing. P337& P313: If eye irritation persists, get medical advice/attention.
2.3, Hazards not otherwise classified (HNOC) or not covered by GHS	none

3. Composition/information on ingredients

3.1. Substances	
Synonyms	Capric Acid or Decanoic Acid
Formula	C10H20O2
Molecular weight	172.26 g/mol
CAS-No.	334-48-5
EC No.	206-376-4

No components need to be disclosed according to the applicable regulations.

4. First aid measures

4.1. Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.
If inhaled	Sore throat, cough Remove to fresh air. If suffocation is serious, take to a doctor
In case of skin contact	Redness, pain Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.
In case of eye contact	Redness, pain Flush with water; take to a doctor if necessary.
If swallowed	Sore throat, abdominal pain Rinse mouth, drink plenty of water, see physician

4.2. Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section
4.3. Indication of any immediate medical attention and special treatment needed	No data available

5. Firefighting measures

5.1. Suitable extinguishing media	Use dry powder, foam, carbon dioxide
5.2. Special hazards arising from the substance or mixture	Carbon oxides
5.3. Advice for firefighters	Use self-contained breathing equipment if in confined place
5.4. Further information	No data available

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	Use gloves, face shield
6.2. Environmental precautions	Do not allow to flow into drainage system.
6.3. Methods and materials for containment and cleaning up	Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Wipe clean.
6.4. Reference to other sections	For disposal see section 13.

7. Handling and storage

7.1. Precautions for safe handling	For precautions see section 2.2.
7.2. Conditions for safe storage, including any incompatibilities	Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire. Keep separate from oxidants. Store in clean, dry, preferably stainless steel vessels. In bulk, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimised to prevent quality loss.
7.3. Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters	
Components with workplace control parameters	Contains no substances with occupational exposure limit values. Hazardous components without workplace control parameters
8.2. Exposure controls	
Appropriate engineering controls	No special measures required
Personal protective equipment	
a) Eye/face protection	protective goggles.
b) Skin protection	suitable protective gloves.
c) Body Protection	suitable protective clothing.
d) Respiratory protection	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
e) Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Appearance	Clear pale yellow liquid above melting point
Odour	Slight unpleasant, musty rancid odour
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	31 ºC
Initial boiling point and boiling range	269 ºC @ 760mm Hg
Flash point	>140 ºC (Pensky-Martens closed cup) = 1500C (Annex IV)
Evaporation rate	Not applicable
Flammability (solid, gas)	Not Flammable
Upper/lower flammability or explosive limits	
Vapour pressure	<7.5 x 10-4 mm Hg @ 20ºC
Vapour density	No data available
Relative density	< 1.0 @ 20 ºC at saturated mixture vapour/air (air=1)
Water solubility	0.15g/l @ 20 ºC
Partition coefficient: n-octanol/water	4.09
Auto-ignition temperature	>250 ºC

Decomposition temperature	No data available
Viscosity	5.37mPa.s @ 400C
Density @ 20 ºC	1.022 g/ml
Relative molecular mass	172.3
9.2. Other safety information	No data available

10. Stability and reactivity

10.1. Reactivity	No data available
10.2. Chemical stability	No data available
10.3. Possibility of hazardous reactions	No data available
10.4. Conditions to avoid	No data available
10.5. Incompatible materials	Strong Oxidants
10.6. Hazardous decomposition products	No data available

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Oral (rat): LD50 > 10000mg/kg body weight Dermal (rabbit):LD50 > 5000mg/kg body weight
Skin corrosion/irritation	Primary skin irritation (rabbit) : Irritating
Serious eye damage/eye irritation	Highly irritating
Respiratory or skin sensitisation	Not sensitizing
Germ cell mutagenicity	No data available
Carcinogenicity	None
Reproductive toxicity	No harmful effect expected
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

12.1. Toxicity	Acute fish toxicity:LC 50 > 100 mg product/l. Acute bacteria toxicity:EC 50 > 100 mg product/l. Daphnia magnaEC 50> 65mg/l AlgaeEC 50=0.002mmol/L
12.2. Persistence and degradability	Readily biodegradable
12.3. Bioaccumulative potential	Log Pow = 4.09
12.4. Mobility in soil	No data available
12.5. Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6. Other adverse effects	No data available

13. Disposal considerations

13.1 Waste treatment methods

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Waste incineration with the approval of the responsible local authority.

14. Transport information

14.1, DOT (US)	Not dangerous goods
14.2. IMDG	Not dangerous goods
14.3. IATA	Not dangerous goods
14.4. Environmental Hazard	Marine pollutant (Yes/No): No MARPOL Annex II: Category X

15. Regulatory information

15.1. SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
15.2. SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
15.3. Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
15.4. Pennsylvania Right To Know Components	

Decanoic acid	CAS-No. 334-48-5	Revision Date

15.5. New Jersey Right To Know Components

Diallyldimethylammonium chloride	CAS-No. 334-48-5	Revision Date

15.6. California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

16. Other information

16.1. Further information: Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.