SAFETY DATA SHEET

1. IDENTIFICATION

Product name: Decanoic Acid
Product code: D0017
Company: TOKYO CHEMICAL INDUSTRY CO., LTD.
Address: 4-10-2, Nihonbashi-honcho, Chuo-ku, Tokyo 103-0023, Japan
Responsible department: Global Business Department
Telephone: +81-3-5640-8872
Fax: +81-3-5640-8902
e-mail: globalbusiness@TCIchemicals.com
Revision number: 2

SUPPLIER CONTACT DETAILS IN AUSTRALIA

Company: ChemSupply Australia Pty Ltd
Address: 38-50 Bedford Street, Gillman SA 5013
Telephone: (08) 8440 2000
Emergency telephone number: (CHEMCALL®, 24 hours): 1800 127 406 (Australia), +64 4 917 9888 (International)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

PHYSICAL HAZARDS	Not classified
HEALTH HAZARDS	
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
ENVIRONMENTAL HAZARDS	
Acute aquatic hazard	Category 3
Long-term aquatic hazard	Category 3

Label elements

Pictograms or hazard symbols



Signal word Danger

Hazard statements
Causes skin irritation
Causes serious eye damage
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary statements

[Prevention] Avoid release to the environment.
Wash hands and face thoroughly after handling.
Wear protective gloves, face protection.

[Response] IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

[Disposal] Dispose of contents and container in accordance with local, regional, national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance
Chemical Formula: $C_{10}H_{20}O_2$
Notice Through Official Gazettes Reference Number
ENCS: (2)-608
ISHL: Official announcement chemistry substance.

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.
Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.
Special protective equipment for firefighters: When extinguishing fire, be sure to wear personal protective equipment

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions: Prevent product from entering drains.
Methods and materials for containment and cleaning up: Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling
Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling.
Use a local exhaust if dust or aerosol will be generated.
Advice on safe handling: Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container tightly closed. Store in a cool and dark place.
Store away from incompatible materials such as oxidizing agents.
Packaging material: Comply with laws.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
Control parameters: Not set up
Personal protective equipment
Respiratory protection: Dust respirator. Follow local and national regulations.
Hand protection: Protective gloves.
Eye protection: Safety glasses. A face-shield, if the situation requires.
Skin and body protection: Protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C):	Solid
Form:	Crystal
Colour:	White - Almost white
Odour:	Unpleasant
pH:	No data available
Melting point/freezing point:	30°C (Freezing point)
Boiling point/range:	270°C
Flash point:	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Vapour pressure:	4.9 x 10^{-2}Pa/25°C
Relative density:	No data available
Solubility(ies):	
[Water]	Insoluble (0.015g/100g, 20°C)
[Other solvents]	
Very soluble:	Ether, Benzene, Acetone, Ethanol
Soluble:	Many organic solvents
Log Pow:	4.09

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical stability:	Stable under proper conditions.
Possibility of hazardous reactions:	No special reactivity has been reported.
Incompatible materials:	Oxidizing agents, Bases, Reducing agents
Hazardous decomposition products:	Carbon dioxide, Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	ivn-mus LD50:129 mg/kg orl-rat LD50:>10 g/kg
Skin corrosion/irritation:	skn-rbt 500 mg/24H MOD
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	sln-smc 14500 ppb
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
RTECS Number:	HD9100000

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	96h LC50:>16 mg/L (Oryzias latipes)
Crustacea:	48h EC50:>20 mg/L (Daphnia magna) 21d NOEC:0.20 mg/L (Daphnia magna)
Algae:	72h EC50:12 mg/L (Selenastrum capricornutum)
Persistence / degradability:	No data available *The substance was determined as "Ready biodegradability" under the Chemical Substances Control Law.
Bioaccumulative potential(BCF):	3
Mobility in soil	
Log Pow:	4.09
Soil adsorption (Koc):	4000
Henry's Law (PaM ^{3}/mol):	0.14
Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations
UN-No: Not listed
Specific precautionary transport measures and conditions:

15. JAPANESE REGULATORY INFORMATION

Pollutant Release and Transfer Register Law: on Designated Chemical Substances, Class I List (No.256)

16. OTHER INFORMATION

The reference company name of written contents

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Department: Global Business Department
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Fax: +81-3-5640-8902

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority.
The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.