



MATERIAL SAFETY DATA SHEET

Chemical name	Oleic Acid
Trade name	TECKNO S18.175
CAS No.	112-80-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Production of lubricants, emulsifier, detergent, fatty alcohol & synthetic ester.

Uses advised against

No additional information available

Teck Guan (China) Ltd.  
 No 1 Teck Guan Road, Rugao Port, Jiangsu, China  
 226532  
 +86-513-8758 9955  
[www.teckguan.com/cn](http://www.teckguan.com/cn)

Physical hazards	Not classified to physical hazards	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
Environmental hazards	Not classified	

Signal word                      Warning



Hazard statement                      Causes eye irritation  
 Causes skin irritation

Precautionary statement

Prevention	Wash hands and face thoroughly after handling. Wear protective gloves.
Response	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/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. If eye irritation persists: Get medical advice or attention.

Storage                                  None

Disposal                                 None

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Components	CAS No.	Percent
cis-9-Octadecenoic Acid	112-80-1	≥75%
Linoleic acid	60-33-3	≤13%

## SECTION 4: First aid measures

### First aid procedures

Inhalation	Call a poison center or doctor if you feel unwell. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Skin contact	Remove and wash contaminated clothing before reuse. If skin irritation occurs get medical advice/attention. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Ingestion	Do not induce vomiting without medical advice. If swallowed, seek medical advice immediately and show the container or label. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocked mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Immediate medical attention	If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Dry chemical powder, Carbon dioxide ( CO<sub>2</sub> ), sand, earth, water spray or regular foam consult with local fire authorities before attempting large scale fire fighting operations.

### 5.2. Special hazards arising from the substance or mixture

On burning: Release of (carbon monoxide - carbon dioxide). Closed containers may explode from heat of a fire.

### 5.3. Protective equipment and precautions for firefighters

Use water spray or fog; do not straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

## SECTION 6: Accidental release measures

**6.1. Personal precautions**

Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

**6.3. Methods and material for containment and cleaning up**

ELIMINATE all ignition sources ( no smoking, flares, sparks or flames in immediate area). Stop the leak if this is without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

## SECTION 7: Handling and storage

**7.1. Handling**

Do NOT breathe gas, fumes, vapor, or spray. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas ( e.g. Argon).

## SECTION 8: Exposure controls / personal protection

**8.1. Control parameters**

No data available.

**8.2. Exposure controls**

Personal protective equipment	
Eye / face protection	Wear eye protection (splash goggles) and face protection ( full length face shield ).
Skin protection	Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear suitable protective clothing. Wear protective gloves.
Respiratory protection	Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
General hygiene considerations	When using do not smoke. Do not get in eyes. Do not get this material in contact with skin. Wash hands after handling and before eating. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

Appearance	Liquid @ 72°F ( 22°C )	Boiling point	545°F (285°C) @ 13kPa
Color	Clear, Colorless - Yellow.	Flash point	369°F (187°C) PMCC
Odor	No data available	Vapor pressure	7.3×10 <sup>-5</sup> Pa (25°C)
Odor threshold	No data available	Relative gravity	0.9@ 22/22°C
pH	No data available	Solubility (H <sub>2</sub> O)	Insoluble
Melting point/freezing point	No data available	Auto-ignition temperature	685.°F (363°C)

Flammability limits in air,  
Upper, % by volume            No data available.  
Lower, % by volume            No data available.

## SECTION 10: Stability and reactivity

### 10.1. Chemical stability

Air sensitive. Light sensitive. Moisture sensitive.

### 10.2. Possibility of hazardous reactions

No hazardous reactivity has been reported.

### 10.3. Conditions to avoid

Air sensitive. Exposure to air. Exposure to light. Exposure to air. Exposure to light. Exposure to moisture. Light sensitive. Moisture sensitive.

### 10.4. Materials to avoid

Oxidizing agents

### 10.5. Hazardous decomposition

No data available.

## SECTION 11: Toxicological information

### 11.1. Toxicological data

Sensitization	No data available.
Chronic effects	No data available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
Skin corrosion / irritation	No data available.
Epidemiology	No data available.
Mutagenicity	No data available.
Neurological effects	No data available.
Reproductive effects	No data available.
Teratogenicity	No data available.

## SECTION 12: Ecological information

### 12.1. Ecotoxicological data

Ecotoxicity	No data available.
Environmental effects	No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Recycle the product to process if possible. It is the generator's responsibility to comply with local rules and regulations. 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. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law.  
Dispose of the containers as unused product. Do not re-use empty containers.

## SECTION 14: Transport information

ADR	
	Not regulated as dangerous goods.
IATA	
	Not regulated as dangerous goods.
IMDG	

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

## SECTION 15: Regulatory information

Inventory status

Country (s) or region	Inventory name	On inventory ( yes/no ) <sup>1</sup>
Australia	Australian Inventory of Chemical Substances. ( AICS )	yes
Canada	Domestic Substances List ( DSL )	yes
China	Inventory of Existing Chemical Substances in China(IECSC)	yes
Europe	European Inventory of Existing Commercial Chemical Substances ( EINECS )	yes
Europe	European List of Notified Chemical Substances ( ELINCS )	No
Japan	Inventory of Existing and New Chemical Substances ( ENCS )	yes
Korea	Existing Chemicals List ( ECL )	yes
New Zealand	New Zealand Inventory	yes
Philippines	Philippine inventory of Chemicals and Chemical Substances ( PICCS )	yes
Switzerland	Switzerland FOPH	No
United States & Puerto Rico	Toxic Substances Control Act ( TSCA ) Inventory	yes

<sup>1</sup> "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

## SECTION 16: Other information

Disclaimer

The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. We assume no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product.