

MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company

1.1. Produce identifier

Chemical name	1-Decanol Alcohol
Trade name	TECKNO 1098, A1099
CAS No.	112-30-1

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

1.2.1. Relevant identified uses

Production of alkyl amines, aluminum rolling lubricants, tertiary amines, cosmetics, ethoxylates, halides/mercaptans, polymerization stabilizers, and sulfation.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Teck Guan (China) Ltd.
 No 1 Teck Guan Road, Rugao Port, Jiangsu, China
 226532
 +86-513-8758 5000
www.teckguan.com/cn

SECTION 2: Hazards identification

2.1. GHS classification

Serious eye damage/eye irritation Category 2

2.2. GHS label elements

Signal word Warning



Hazard statement Causes serious eye irritation

Precautionary statement

Prevention

Wear suitable protective clothing and eye/face protection.

Response

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/attention.

Storage

No special storage precautions noted.

Disposal

Can be incinerated when in compliance with local regulations.

2.3. Other hazards

Not assigned.

SECTION 3: Composition/information on ingredients

Components	CAS No.	Percent
1-DECANOL	112-30-1	98 - 100

SECTION 4: First aid measures

First aid procedures.

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin	Take off immediately all contaminated clothing. Wash off with warm water and soap. Call a POISON CENTER or doctor/physician if you feel unwell. For minor skin contact, avoid spreading material on unaffected skin.
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Call a physician or poison control center immediately.
Notes to physician	In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Water spray. Dry chemical powder. Foam. Carbon dioxide (CO2) .

5.2. Special hazards arising from the substance or mixture

Not available.

5.3. Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

6.2. Environmental precautions

Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage.

Methods for cleaning up

Large spills: Prevent product from entering drains. Do not allow material to contaminate ground water system. Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

SECTION 7: Handling and storage

7.1. Handling

Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

No special storage precautions noted..

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Ensure adequate ventilation, especially in confined area.

8.2. Exposure controls

Personal protective equipment	
Eye / face protection	Goggles / face shield are recommended..
Skin protection	Rubber gloves. Dependent upon degree of potential expose, additional personal protective equipment may be required, such as chemical boots and full protective clothing.
Respiratory protection	No required for ambient temperature, although an appropriate NIOSH/MSHA approved air-purifying respirator should be used if a mist or vapor is generated. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres..
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)
Color	Colorless.
Odor	Fishy, Alcoholic.
Odor threshold	Not available
pH	Not available
Boiling point	>= 400°F (204.4°C) @ 760 mmHg (101.3kPa)
Flash point	212°F (100°C) PMCC
Vapor pressure	0.008 mmHg @ 75°F (24°C)
Relative gravity	0.83 @ 25/25°C
Auto-ignition temperature	550°F (287.8°C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.

SECTION 10: Stability and reactivity

10.1. Chemical stability

Material is stable under normal conditions.

10.2. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.3. Conditions to avoid

Heat, flames and sparks.

10.4. Materials to avoid

Strong oxidizing agents

10.5. Hazardous decomposition

Carbon monoxide. Complete combustion forms carbon dioxide and water vapor. Partial combustion forms also carbon monoxide, soot, aldehydes and ketones.

SECTION 11: Toxicological information

11.1. Toxicological data

Product	Test Results
1-DECANOL (112-30-1)	Acute Dermal LD50 Rabbit: 3560 mg/kg

Acute Dermal LD50 Rat: Practically non-toxic by acute oral route.

Dermal Human: 4.00 hours Significantly less irritating than 20% sodium lauryl sulfate (positive control).

Dermal Rabbit: 83 mg Severe irritation.

Dermal Rabbit: OECD Test Guidelines 404, PII=3.33

SECTION 12: Ecological information

12.1. Ecotoxicological data

Product	Test Results
1-DECANOL (112-30-1)	EC50 Water flea (Daphnia magna): 11 mg/L 24.00 Hours
	LC50 Bleak (Alburnus alburnus): 7.2 mg/L 96.00 Hours
	LC50 Fathead minnow (Pimephales promelas): 2.3 mg/L 96.00 Hours

SECTION 13: Disposal considerations

13.1. Disposal methods

Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

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) ¹
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
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	yes

¹ "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.