



MATERIAL SAFETY DATA SHEET

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

1.1. Produce identifier

Chemical name	Lauryl/Myristyl Alcohol
Trade name	TECKNO A1214
CAS No.	80206-82-2

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

Environmental hazards	Harzardous to the aquatic environment, acute hazard	Category 1
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2.2. GHS label elements

Signal word	Warning
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Hazard statement	H410 - Very toxic to aquatic life
Precautionary statement	
Prevention	P273 - Avoid release to the environment.
Response	Collect spillage.
Storage	Store in accordance with local/regional/national/international regulation
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Components	CAS No.	Percent
ALCOHOLS, C12 ~ 14	80206-82-2	>=98
Constituents	CAS No.	Percent
1-DODECANOL	112-53-8	>=70

SECTION 4: First aid measures

First aid procedures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin	Rinse skin with plenty of water / Shower. Get medical attention if irritation develops or persists.
Eye	Rinse with a lot of water at least 15 minutes. Get medical attention if irritation develops or persists.
Ingestion	Never give an unconscious person anything by mouth. Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Notes to physician	Not applicable.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

On burning: Release of (carbon monoxide - carbon dioxide)

5.3. Protective equipment and precautions for firefighters

In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. Water runoff can cause environmental damage.

SECTION 6: Accidental release measures

6.1. Personal precautions

Use proper Personal protective equipment to avoid the inhalation of vapor, fog or gas.. Local authorities should be advised if significant spillages cannot be contained.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

6.3. Methods and material for containment and cleaning up

Methods for containment
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 for 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

Do not get this material in contact with eyes. When using, don't eat or drink or smoke Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains. Use care in handling / storage.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep out of the reach of children. Store in a cool, dry area. Use care in handling / storage. Nitrogen blanket recommended for large tanks (capacity 1000 m³ or higher.)
Unsuitable containers: copper, copper alloy, zinc, zinc alloy, aluminum, aluminum alloy.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment

Eye / face protection	Not normally needed.
Skin protection	No special protective equipment required.
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Not normally needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid @ 72 F (22 Deg C)
Color	colorless
Odor	fresh, waxy
Odor threshold	not available
pH	not available
Melting point	18 ~ 22 Deg C (64.4 ~ 71.6 F)
Boiling point	> 350 F (177 Deg C) @ 760 mmHg (101.3kPa)
Flash point	290 F (143 Deg C) PMCC
Flammability (Train fire)	Not available
Evaporation rate	Not available
Vapor pressure	<10 mmHg @ 75 F (22 Deg C)
Vapor density	Not available
Specific gravity	0.82@ 35/25 Deg C
Solubility (H ₂ O)	Negligible @ 77 F (25 Deg C)
Octanol / H ₂ O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No hazards to be especially mentioned.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Not available

10.5. Materials to avoid

Strong oxidizing agents

10.6. Hazardous decomposition

Does not decompose up to 400 F. 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

Skin corrosion / irritation	Not available.
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Serious eye damage / eye irritation Not available.

Other information Not available.

SECTION 12: Ecological information

12.1. Ecotoxicological data

Ecotoxicity	Components of this product are hazardous to aquatic life.
Environmental effects	Harmful to aquatic life.
Persistence / degradability	Not established.
Bioaccumulation	Not established.
Aquatic toxicity	Very toxic to aquatic organisms.
Mobility	Not established
Other adverse effects	Not established.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

SECTION 14: Transport information

ADR

UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (1-Dodecanol)
Hazard class	9
Packing group	III
Environmental hazards	
Marine pollutant	1-Dodecanol
Labels required	9
Hazard ID	90
Item	M6
Transport Category	3

IATA

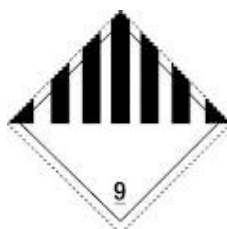
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (1-Dodecanol)
Hazard class	9
Packing group	III
Environmental hazards	
Marine pollutant	1-Dodecanol
ERG code	9L

IMDG

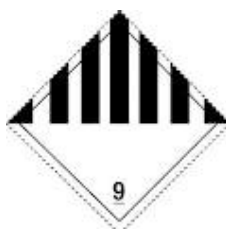
UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (1-Dodecanol)
Hazard class	9
Subsidiary hazard class	
Packing group	III
EmS No.	F-A , S-F
Environmental hazards	
Marine pollutant	1-Dodecanol

RID

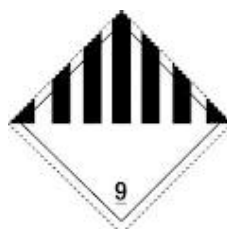
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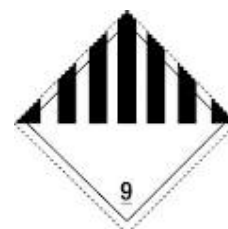
ADR



IATA



IMDG



RID

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
Switzerland	Switzerland FOPH	No
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.