



MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product name	TECKNO A1214
Common name	Lauryl / Myristyl Alcohol
CAS-No.	80206-82-2

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

Relevant identified uses	Production of alkyl amines, aluminum rolling lubricants, tertiary amines, cosmetics, deformers, ethoxylates, halides/mercaptans, methacrylates, polymerization stabilizers, sulfates, sulfated ethoxylates. etc.
Uses advised against	No data available

1.3 Details of the supplier of the safety data sheet


Company	Teck Guan (China) Ltd
Address	No. 1 Teck Guan Road, Rugao Port, Jiangsu, China
Postal Code	226532
Emergency telephone	+86-513-87589955
Website	www.teckguan.com/cn

2. Hazards identification

2.1 GHS classification

Health hazards	Eye irritation (Category 2A), H319
Environment hazards	Acute aquatic toxicity (Category 1), H400
Environment hazards	Chronic aquatic toxicity (Category 1), H410

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Warning
Hazard statement(s)	H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage. P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available

**MATERIAL SAFETY DATA SHEET****3. Composition/information on ingredients**

Components	CAS No.	Percent
ALCOHOLS, C12 ~ 14	80206-82-2	≥99%
1-DODECANOL	112-53-8	≥72%

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	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a 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 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment

must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.



MATERIAL SAFETY DATA SHEET

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non Combustible Solids. Nitrogen blanket recommended for large tanks (capacity 1000 m3 or higher). Unsuitable containers: copper, copper alloy, zinc, zinc alloy, aluminum, aluminum alloy.

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

Hazardous components without workplace 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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Skin protection	<p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Full contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 480 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)</p> <p>Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 30 min</p>

**MATERIAL SAFETY DATA SHEET**

	Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M) If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body protection	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
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).

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

Appearance	liquid @ 72°F (22°C)
Colour	colorless
Odour	Mild scent
Odour Threshold	No data available
PH	No data available
Melting point/freezing point	18 ~ 22°C (64.4 ~ 71.6°F)
Initial boiling point and boiling range	521.8°F (272.1°C) @ 760 mmHg (101.3kPa)
Flash point	290°F (143°C) PMCC
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Upper explosion limit: 4 %(V) Lower explosion limit: 0.6 %(V)
Vapour pressure	≤10 mmHg @ 72°F (22°C)
Vapour density	No data available
Relative density	0.83@ 35/25°C
Water solubility	Negligible @ 77°F (25°C)
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and reactivity**10.1 Reactivity**

No data available

10.2 Chemical stability



MATERIAL SAFETY DATA SHEET

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 oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - male and female - 8,000 - 12,000 mg/kg (OECD Test Guideline 402) No data available
Skin corrosion/irritation
Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/eye irritation
Irritating to eyes. Eyes - Rabbit Result: Irritating to eyes. - 24 h (OECD Test Guideline 405)
Respiratory or skin sensitisation
Maximisation Test (GPMT) - Guinea pig Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)
Germ cell mutagenicity
No data available reverse mutation assay S. typhimurium Result: negative OECD Test Guideline 474 Mouse - male and female Result: negative
Carcinogenicity
Carcinogenicity - Mouse - Skin Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors.



MATERIAL SAFETY DATA SHEET

<p>Tumorigenic: Tumors at site or application. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>
Reproductive toxicity
No data available
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
<p>Repeated dose toxicity Rat - male and female - Oral - NOAEL : 2,000 mg/kg RTECS: JR5775000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>

12. Ecological information

12.1 Toxicity

Toxicity to fish	mortality LC50 - Pimephales promelas (fathead minnow) - 1.01 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 0.765 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Growth inhibition EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 0.66 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	No data available

12.2 Persistence and degradability

Biodegradability	aerobic - Exposure time 28 d Result: 79 % - Readily biodegradable (OECD Test Guideline 301B)
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12.3 Bioaccumulative potential

Bioaccumulation	No data available
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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

**MATERIAL SAFETY DATA SHEET**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

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
Dispose of as unused product.

14. Transport information

Item	ADR	IMDG	IATA
UN member	3077	3077	3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dodecan-1-ol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dodecan-1-ol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dodecan-1-ol)
Class	9	9	9
Packing group	III	III	III
Environmental hazards	Yes	Yes	Yes
Special precautions	Further information EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.		

15. Regulatory information

Inventory status(1 "Yes" means that all ingredients of the product comply with the substance List regulations of the host country)

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



MATERIAL SAFETY DATA SHEET

Switzerland	Switzerland FOPH	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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.