



## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name	TECKNO A1698
Common name	Cetyl Alcohol ,A1698, 1-Hexadecanol
CAS-No.	36653-82-4

#### 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

Not a hazardous substance or mixture

#### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture

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

No data available

### 3. Composition/information on ingredients

Components	CAS No.	Percent
Cetearyl /Stearyl Alcohol	36653-82-4	≥98

### 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



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### 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.

### 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.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Nitrogen blanket recommended for large tanks (capacity 1000 m<sup>3</sup> or higher) .

### 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

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 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.



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**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: 0.11 mm Break through time: 480 min Material tested: Dermatril® (KCL 730 / Aldrich Z677272, Size M)</p> <p>Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M) test method: EN374</p> <p>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.</p>
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	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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	Solid@ 72°F ( 22°C )
Colour	White
Odour	Mild scent
Odour Threshold	No data available
PH	No data available
Melting point/freezing point	47-50°C ( 116.6-122°F )
Initial boiling point and boiling range	>330°C ( 626°F ) @ 760 mmHg (101.3kPa)



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Flash point	160°C(320 °F) - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Upper explosion limit: 8 %(V) Lower explosion limit: 1 %(V)
Vapour pressure	≤0.01hPa@109.4°F (43°C)
Vapour density	8.37-(Air=1.0)
Relative density	0.818g/mL@25°C (77 °F)
Water solubility	insoluble
Partition coefficient: n-octanol/water	Log Pow: 6.73@25°C (77 °F)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	3.394mm <sup>2</sup> /s@100°C (212 °F)

### 10.Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 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

#### 11.1Information on toxicological effects

<b>Acute toxicity</b>
LD50 Oral - Rat - male and female - > 5,000 mg/kg - (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - male and female - >2600 mg/kg - (OECD Test Guideline 402)
<b>Skin corrosion/irritation</b>
Skin - Rabbit Result: No skin irritation - 4 h -(OECD Test Guideline 404)
<b>Serious eye damage/eye irritation</b>
Irritating to eyes. Eyes - Rabbit Result: No irritating to eyes. - 72 h - (OECD Test Guideline 405)
<b>Respiratory or skin sensitisation</b>
Maximisation Test (GPMT) - Guinea pig Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)



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<b>Germ cell mutagenicity</b>
Not mutagenic in Ames Test. Ames test S. typhimurium Result: negative
<b>Carcinogenicity</b>
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.
<b>Reproductive toxicity</b>
No data available
<b>Specific target organ toxicity -single exposure</b>
No data available
<b>Specific target organ toxicity -repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Additional Information</b>
Repeated dose toxicity-Rat - male and female - Oral - NOAEL : 4257 mg/kg RTECS: MM0225000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish	semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 0.4 mg/l - 96 h (OECD Test Guideline 203) Remarks: Aquatic toxicity is unlikely due to low solubility. Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - >1,000 mg/l - 96 h (OECD Test Guideline 201)
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available

**12.2 Persistence and degradability**

Biodegradability	aerobic - Exposure time 28 d Result: 82.4 % - Readily biodegradable (OECD Test Guideline 301B)
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**12.3 Bioaccumulative potential**

Bioaccumulation	Leuciscus idus melanotus - 3d - 48 µg/l Bioconcentration factor (BCF): 1,230
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**12.4 Mobility in soil**

No data available



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**12.5 Results of PBT and vPvB assessment**

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

**12.6 Other adverse effects**

No data available

**13. Disposal considerations**

**13.1 Waste treatment methods**

<b>Product</b>
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
<b>Contaminated packaging</b>
Dispose of as unused product.

**14. Transport information**

Item	ADR	IMDG	IATA
UN number	-	-	-
Proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
Class	-	-	-
Packing group	-	-	-
Environmental hazards	None	None	None
Special precautions	No data available		

**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
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



**Teck Guan (China) Ltd**

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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.