



## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name	TECKNO A1098
Common name	1-Decanol Alcohol ,A1098
CAS-No.	112-30-1

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

Relevant identified uses	Production of solvents, fibre lubricants, defoamers, plastic surfactants, penetrants, textile auxiliaries, floatation agents, extraction agents, foaming agents, 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

Physical hazards	Flammable liquids (Category 4), H227
Health hazards	Acute toxicity , percutaneous(Category 5), H313
Health hazards	Skin Corrosion/irritation (Category 3), H316
Health hazards	Eye irritation (Category 2A),H319
Environment hazards	Acute aquatic toxicity (Category 3), H402
Environment hazards	Chronic aquatic toxicity (Category3), H412

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

Pictogram	
Signal word	Warning
Hazard statement(s)	H227 Combustible liquid. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ 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.



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	P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container to an approved waste disposal plant
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### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available

### 3. Composition/information on ingredients

Components	CAS No.	Percent
1-OCTANOL	111-87-5	≤2%
1-DECANOL	112-30-1	≥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	Do NOT induce vomiting. 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 breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.



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**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**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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 inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. 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): Combustible Liquids. Nitrogen blanket recommended for large tanks (capacity 1000 m3 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  
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	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. 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)



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	<p>Splash contact</p> <p>Material: Nitrile rubber</p> <p>Minimum layer thickness: 0.2mm</p> <p>Break through time: 30 min</p> <p>Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)</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	<p>Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p>
Respiratory protection	<p>Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.</p> <p>If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)</p>

**9. Physical and chemical properties**

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

Appearance	Clear liquid@ 72°F ( 22°C )
Colour	Colourless
Odour	Fishy, Alcoholic
Odour Threshold	No data available
PH	No data available
Melting point/freezing point	7°C ( 44.6°F )
Initial boiling point and boiling range	233°C ( 451.4°F ) @ 760 mmHg (101.3kPa)
Flash point	82°C (179.6 °F) - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	0.008mmHg@75°F (24°C)
Vapour density	5.46 - (Air = 1.0)
Relative density	0.829g/mL@25°C (77 °F)
Water solubility	0.0211g/L@23 °C (73 °F) - partly soluble
Partition coefficient: n-octanol/water	Log Pow: 4.5
Auto-ignition temperature	254°C (489.2 °F)@1013hPa(760 mmHg)
Decomposition temperature	No data available
Viscosity	15.81mm <sup>2</sup> /s at 20 °C (68°F) - ASTM D 445

**10. Stability and reactivity**



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### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparks

### 10.5 Incompatible materials

Acids, Acid chlorides, Oxidizing agents, Acid anhydride.

### 10.6 Hazardous decomposition products

Other decomposition products - No data available

## 11. Toxicological information

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>
LD50 Oral - Rat - 4,720 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea. LC50 Inhalation - Rat - 4 h - > 2.05 mg/l LC50 Inhalation - Rat - 1 h - > 71 mg/l LD50 Dermal - Rabbit - > 2,000 - 4,000 mg/kg (OECD Test Guideline 402) LD50 Dermal - Rat - > 5,000 mg/kg No data available
<b>Skin corrosion/irritation</b>
Skin - Rabbit Result: Mild skin irritation - 4 h (OECD Test Guideline 404)
<b>Serious eye damage/eye irritation</b>
Eyes - Rabbit Result:Moderate irritating to eyes-24h (OECD Test Guideline 405)
<b>Respiratory or skin sensitisation</b>
Buehler Test - Guinea pig Did not cause sensitisation on laboratory animals
<b>Germ cell mutagenicity</b>
No data available
<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. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.



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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.

<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>
RTECS: HE4375000

**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	NOEC - Daphnia magna (Water flea) - 0.11 mg/l - 21 d
Toxicity to algae	No data available
Toxicity to bacteria	No data available

**12.2 Persistence and degradability**

Biodegradability	aerobic - Exposure time 30 d Result: 88 % - Readily biodegradable (OECD Test Guideline 301B)
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**12.3 Bioaccumulative potential**

Bioaccumulation	Does not bioaccumulate
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**12.4 Mobility in soil**

No data available

**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**

Harmful to aquatic life with long lasting effects.

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

**13. Disposal considerations**

**13.1 Waste treatment methods**

<b>Product</b>
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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.

**MATERIAL SAFETY DATA SHEET****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	No	No	No
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 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.