

# Material Safety Data Sheet

## TTA-NA

### 1 CHEMICAL PRODUCT & COMPANY INFORMATION

**Chemical Name:** Tolyltriazole-Na

**General Name:** TTA-Na

**CAS No.:** 29385-43-1

**Manufacturer:** SPE Chemicals Co., Ltd.

**TEL :** 0086-21-51386314

### 2 INGREDIENTS

CAS#	Chemical Name	%	EINECS#
29385-43-1	TTA-Na	≥50%	N/A

### 3 HAZARDOUS INGREDIENTS Emergency overview:

Form: Yellow transparent liquid

Odour: acrid

#### Warning statement:

No significant hazards associated with this material

#### Potential health effects:

Likely routes of exposure: eye and skin contact

Eye contact: No more than slightly irritating to eyes.

Skin contact: No more than slightly irritating to skin.

No more than slightly toxic if absorbed.

Inhalation: No information available.

Ingestion: Not toxic if swallowed.

Significant adverse health effects are not expected to develop if only small amounts (less than a mouthful) are swallowed.

### 4 EMERGENCY & FIRST AID PROCEDURES

**Skin Contact:** Remove and wash contaminated clothing promptly and wash skin with

**Eye Contact:** Flush with copious amounts of water for 15 min. If feel uncomfortable seek medical help immediately.

**Swallowed:** Induce vomiting and seek medical help immediately .

### 5 FIRE FIGHTING MEASURES

**Flash Point** :

**Explosion limits:** N/T

**Flammability** :None

**Notice:**Water or water spray to cool the vessel. In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full facepiece operated in the pressure demand.

Hazardous Decomposition Products: carbon monoxide (CO); carbon dioxide; nitrogen oxides (NxOy); sulfur oxides (SxOy)

## 6 SPILLS OR LEAK PROCEDURES

**Personal protection:**Safety glasses, gloves, face protection etc.

**Steps if material is released or spilled:** Keep air ventilation , Keep away from kindling , absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Treatment as the environmental protection department's requirement, Do not flush to sewer!

## 7 PRECAUTIONS IN HANDLING & STORING

**Notice:** Keep air ventilation, avoid to contact with skin and eyes.

**Storage** :Store in a cool ,dry and airiness place. Keep storage container tightly closed.

## 8 PERSONAL PROTECTION

**Ventilation System** :A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred

**Respiratory System Protection:** Avoid to inhalation the vapour or gas .

**Eye Protection:**Use chemical safety goggles.

**Protective Gloves:** Comman chemical resistant gloves .

**Other protection:** After work, bathe and change the clothes.

## 9 PHYSICAL AND CHEMICAL DATA

**Appearance:** yellow transparent liquid

**Active content:** 50%

**Boiling point:** N/T

**PH Value :** 11.5-12.0

**Specific Gravity (H<sub>2</sub>O=1):** 1.10min

**Water solubility:** Miscible with water with any proportion

**Flash point:** Not available.

**Vapour Pressure:** Not available.

**Autoignition temperature:** Not available.

**Freezing/Melting Point :** Not available.

**Explosion Limits, lower:** Not available.

**Explosion Limits, upper:** Not available.

## 10 STABILITY AND REACTIVITY DATA

**Stability:** Stable under normal temperatures and pressures.

**Hazardous Polymerization:** NO.

**Condition to Avoid:** High temperature and high pressure.

**Materials to Avoid :** Strong acid , Strong alkaline , Strong oxidizers and Cation

**Decomposition Products:** Water, Carbon Monoxide , Carbon Dioxide, Nitrogen oxides; Sulfur oxides

## 11 TOXICOLOGY INFORMATION

**Oral:** LD50 , rat, > 5,000 mg/kg , Practically nontoxic following oral administration.

**Dermal:** LD50 , rabbit, > 5,000 mg/kg , Practically nontoxic after skin application in animal studies.

## **12 ECOLOGICAL INFORMATION**

Not available.

## **13 DISPOSAL CONSIDERATIONS**

**Disposal method :** Consult the local environmental protection department .This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

## **14 TRANSPORT INFORMATION**

**Not regulated for transport.**

## **15. REGULATORY INFORMATION**

**None**

## **16. OTHER INFORMATION**

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