

## LK-821-2 LOW TEMP. SHIFT CATALYST

INGREDIENTS	CAS NO	%	8HR OEL
zinc oxide	1314-13-2	25-35	10 mg/m3
copper(II) oxide	1317-38-0	45-55	-
copper carbonate	1184-64-1	2-5	-
aluminium oxide	1344-28-1	5-15	10 mg/m3



UN No: 3077  
 Hazchem Code: 2Z  
 DG Class: 9  
 Subsidiary Risk: **Not Applicable**  
 Packing Group: III  
 Poisons Schedule: **Not Applicable**



## NFPA Rating:

- ▶ 0: Minimum
- ▶ 1: Low
- ▶ 2: Moderate
- ▶ 3: High
- ▶ 4: Extreme

## HEALTH HAZARD INFORMATION



**Acute Health Effects:** Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin.

**Chronic Health Effects:** Harmful: danger of serious damage to health by prolonged exposure through inhalation.

\* – limited evidence

## PROPERTIES



Does not mix with water.  
 Sinks in water. Combustible.

## EMERGENCY



## FIRST AID

<b>Swallowed:</b>	Give water (if conscious). Seek medical advice.
<b>Eye:</b>	Wash with running water.
<b>Skin:</b>	Remove contaminated clothing. Wash with soap & water.
<b>Inhaled:</b>	Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.
<b>Advice To Doctor:</b>	For severe poisoning, administer CaNa2EDTA. Decontaminate if necessary. CaNa2EDTA is the chelator of choice.
<b>Fire Fighting:</b>	Keep containers cool. Water spray/ fog.
<b>Spills and Disposal:</b>	Eliminate ignition sources. Pollutant. Prevent from entering drains. Contain spillage by any means.

## PRECAUTIONS FOR USE



**Appropriate engineering controls:** Local Exhaust Ventilation recommended.

**Glasses:** Consider chemical goggles.

**Gloves:** PVC chemical resistant type.

**Storage and Transportation:** Store in cool, dry, protected area. Restrictions on Storage apply. Refer to Full Report.

**Fire/Explosion Hazard:** Toxic smoke/fumes in a fire.

**Environment:** Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Use appropriate container to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/Safety data sheets.

## SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



Flammable Explosive Radioactive Oxidizing

x x x x

x — Must not be stored together