

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: TA 661 Product Class: Aromatic Alcohol Product Code: ER090

2. Hazardous Ingredients

Ingredients	CAS Number	Percent	Exposure Limits		VP
			ACGIH/T	OSHA/PEL mm HG	
Benzyl Alcohol	100-51-6	100			Not established

3. Acute Toxicity Data

No.	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LC50
(1)	3500 MG/KG (Rat)	NA	6100 MG/L (Rat)
(2)	4000 MG/KG (Rabbit)	NA	6000 MG/KG (Rabbit)
(3)	175 MG/KG (Rat)	NA	2165 MG/KG (Rat)

4. Acute Toxicity Data

Boiling Range: 205°C (401°F) **Vapor Density:** Heavier than Air **Evaporation Rate:** Unknown **Liquid Density:** Heavier than Water
Volatiles Vol %: 0.0 Wgt% 0.0 **Weight per gallon:** 8.75 **Odor:** Slight **Specific Gravity:** 1.024-1.047 @ 77°F **Appearance:** colorless
V.O.C.: 0.0 Lbs.Gal

5. Fire and Explosion Hazard Data

Flammability Class: 3B **Flash Point:** 194°F TCC LEL: unknown UEL: unknown **Extinguishing Media:** Foam, alcohol foam, CO2, dry chemical. Water fog may be ineffective but should be used to cool fire-exposed containers to prevent pressure build up and possible auto-ignition or explosion when exposed to extreme heat. **Special Firefighting Procedures:** Use full protection equipment including self contained breathing apparatus (NIOSH/MSHA) for respiratory protection in fighting fires in enclosed or confined spaces. To prevent breathing gases, vapors, fumes or decomposition products during emergency conditions. Unusual Fire and Explosion Hazards: Decomposition under fire liberates carbon monoxide.

6. Health Hazard Data

Permissible Exposure Level: See section 2 Effects of Overexposure: Primary route(s) of entry: (X) Dermal (X) Inhalation () Ingestion Acute (Short Term) Exposure: Eyes: Moderate irritation Skin: (Rabbits) Moderate irritation **Emergency and First Aid Procedures:** Eyes: Flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention. Skin: Promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before reuse. Ingestion: Call a physician immediately, only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Inhalation: Remove to fresh air. If breathing is difficult give oxygen. If necessary get medical attention if effects persist. **Medical Conditions Prone to Aggravation by Exposure:** Effects of Chronic Overexposure: Skin and Eye Irritation.

7. Reactivity Data

Stability: () Unstable (X) Stable Hazardous Polymerization: () May occur (X) Will not occur **Incompatibility:** Avoid contact with strong acids and bases in bulk **Conditions to Avoid:** None known **Hazardous Decomposition Products:** Carbon monoxide and unidentified organics may be formed.

8. Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Before attempting clean up, refer to hazard caution information in other sections of this sheet. **Large Spills:** Notify safety personnel. Product may burn although not readily ignitable. Use cautious judgement when cleaning up large spills. Wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material. Dispose of properly, following all Federal, State and Local requirements. Flush area with water to remove trace residue. **Small Spills:** Take up with an absorbent material and dispose of properly, following all Federal, State and Local requirements.

9. Special Protection Information

Respiratory Protection: Use a vapor/Particulate respirator, such as NIOSH/MSHA approved respirator as required to prevent over exposure. In accordance with 20 CFR1910.134. Use either an atmosphere-supply respirator or an air-purifying respirator for organic vapors. **Ventilation:** Provide sufficient ventilation to keep air containment concentration below current applicable OSHA permissible exposure limit or ACGIT's TLV limit. No smoking or open lights. **Protective Gloves:** Use chemical-resistant gloves to prevent skin contact. **Eye Protection:** Use chemical splash goggles or face shield to prevent eye contact. **Other Protective Equipment:** Use chemical resistant or other protective outer wear to protect against clothing contamination and skin contact.

10. Special Precautions

Precautions to be taken in handling, transportation and storage: Store in cool, well-ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame and strong oxidizing agents. Do not store above 125°F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breath vapor or mist. Avoid contact with eyes, skin and clothing. DO NOT TAKE INTERNALLY. **Other Precautions:** Contact lenses pose a special hazard. Soft lenses may absorb and all lenses concentrate irritants.

11. Additional Regulatory Information

SARA TITLE III SECTION 313 - This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right to know act of 1986 and of 40 CFR 372.

CA 65 California Proposition 65, this product contains levels of listed substances which California has found to cause cancer

12. Transportation Requirements

The D.O.T. information in this section is based on the requirements of 49 CR 172 and 173 as revised.

D.O.T. Proper shipping name: Benzyl alcohol Not Regulated

D.O.T. Hazard Class: None

Packing Group: None

D.O.T. Labeling None

UN/NA #: None

Other requirements: None known

13. Regulatory Information

Notice: The information presented herein is based on the data available to us and is believed to be correct as of the date prepared. However, no liability whatsoever is assumed. It is the buyer's responsibility to determine the suitability of the product and the results obtained from its use. The manufacturer assumes no responsibility for injury resulting from the use of the product described herein.

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Manufactured by: ERC in RI

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