Benzylalcohol-DHA

Material Safety Data Sheet (MSDS)

1. Product Identification
Product Name: Benzylalcohol-DHA
INCI Name: Benzylalcohol dehydroacetic acid
Chemistry: Dehydroacetic Acid, Benzyl Alcohol, Water
CAS Number: 520-45-6, 100-51-6, 7732-18-5
EINECS Number: not available

2. Physical & Chemical Properties
Melting Point: not known
Boiling Point: >200 C (estimated)
Non-Volatiles: not known
Viscosity: not known
Specific Gravity: not known
Solubility in water: slightly soluble
Refractive Index: not known
Appearance & Odor: Yellow liquid with unknown odor.

3. Stability & Reactivity
Chemical Stability: Stable under normal conditions of storage and handling.
Conditions to Avoid: none known.
Incompatible Materials: none known.
Hazardous Decomposition Products: Thermal decomposition may produce vapors/fumes of other organic materials and oxides of carbon and nitrogen.
Hazardous Polymerization: Will not occur.

4. Handling & Storage
Keep drums closed when not in use. Do not contaminate drinking water, food or feed by storage or disposal.

5. Accidental Release Measures
Caution! Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred). Dike and contain spill with inert materials (sand, earth, etc.). Transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

6. Exposure Controls & Personal Protection
Respiratory Protection: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
Protective Clothing: Use good industrial hygiene practices.
Other Protective Measures: Use good industrial hygiene practices.

7. Hazards Identification
Eye: Direct contact may cause moderate eye irritation.
Skin: No overexposure information available.
Inhalation: Based upon the toxicity information available for the components of this product, it is anticipated this product will be harmful upon inhalation.
Ingestion: Based upon the toxicity information available for the components of this product, it is anticipated this product will be harmful upon ingestion.
Pre-existing Medical Conditions & Cancer: No effects indicated.

8. First Aid Measures
Eyes: Flush eyes with large amounts of running water for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin: Wash with large amounts of running water, and soap if available. Get medical attention if irritation develops or persists.
Inhalation: Remove from area to fresh air. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.
Ingestion: If swallowed, immediately give 3-4 glasses of water. Get immediate medical attention. Have physician determine if patient’s condition allows for induction or vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

9. Fire Fighting Measures
Flash Point: >200 F
Extending Media: Alcohol Foam, Co2, Dry Chemical, or water.
Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water spray. Products of combustion are toxic.

10. Toxicological Information
No toxicity information for this product. The toxicity information provided is for component(s) of this product.
Acute:
For Benzyl Alcohol:
-oral LD50 (rat): 1230 mg/kg
-oral LD50 (mouse): 1360 mg/kg
-dermal LD50 (rabbit): 2000 mg/kg
-inhalation LC50 (rat 4 hour): >4180 mg/m3
-eye irritation (rabbit): not an irritant.
-skin irritation (rabbit): not an irritant.
-skin sensitization (guinea pig): not a sensitizer.

For Dehydroacetic Acid:
-oral LD50 (rat): 1480 mg/kg
-dermal LD50 (rabbit): not regulated

11. Disposal Consideration
Waste Disposal Methods: Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method. Stay out of smoke.
Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If incinerated, stay out of smoke.

12. Transportation Information
DOT Shipping Name: not regulated
ADR/RIC Code: not regulated
Sea Transport IMDG Code: not regulated
Air Transport IATA: not regulated

13. Regulatory Information
WHMIS: Class D2B
DSL Status: Currently listed on Canadian DSL
TSCA Inventory: Currently listed on US EPA TSCA inventory list.
US FDA: This material is regulated by the US Food and Drug Administration (FDA) as a cosmetic ingredient. It can only be used as a preservative for cosmetic formulations.
40 CFR 370: Benzyl Alcohol 100-51-6 – Hazard Category A/Immediate (Acute)
State Right to Know Regulations:
California: Components present in this material which the State of California has found to cause cancer, birth defects or other reproductive harm are as follows: Benzene, 71-43-2, 0.1 ppm; N-Nitrosodiethanolamine, 1116-54-7, 50 ppb; Propylene Oxide, 75-56-9, 0.5 ppm; Toluene, 108-88-3, trace.

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