Material Safety Data Sheet

Product Name: AI 8493-4 Air Force Type IV

Section I - Emergency Information

Manufactured by:
Randall Industries, LLC
4565 Hemlock Road
Cherry Tree, PA 15724

Emergency Phone Number: 1-800-535-5053
Phone Number for Information: 1-814-743-6630
MSDS Revision: Apr 12, 2005

Section II - Hazardous Ingredients

Ingredient(s):
Alcohol Ethoxylate
Nonphenol Ethoxylate

OSHA PEL
ACGIH TLV
N/D
N/D
N/D
N/D

Section III - Physical / Chemical Data

Appearance: Clear amber liquid
Odor: Slight
pH: 9.5
Boiling Point: 212°F (°C)
Melting Point: N/D

Solubility in Water: 100% at < 80 deg. F
Specific Gravity: 1.0 Water = 1
Vapor Pressure: 4 mm Hg
Vapor Density: N/D Air = 1
Evaporation Rate: N/D Butyl Acetate = 1

N/A = Not Applicable, N/D = Not Determined

Section IV - Fire And Explosion Hazards

Flash Point: None
Flammable Limits: N/D
LEL: N/D
UEL: N/D

Extinguishing Media: Use water fog, foam, dry chemical or Carbon Dioxide.

Special Fire Fighting Procedures: Wear an approved self-contained breathing apparatus and protective clothing with full face piece operated in the positive pressure demand mode and full body protection.

Fire / Explosive Hazards: May liberate irritating or toxic vapors during combustion or decomposition.

Section V - Reactivity Data

Stability: ☒ Stable ☐ Unstable

Hazardous Polymerization: ☐ May occur ☒ Will not occur

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide and other organic compounds may be released during combustion.

Section VI - Health Hazard Data

Conditions to Avoid: Nitrosating agents (i.e., Sodium Nitrite), extremely high temperatures.

Inhalation: ☐ Skin Contact ☒ Ingestion

Health Hazards: Eye: Moderate irritation.
Skin: Slightly irritating.
Inhalation: Mist or vapors may cause irritation of mucous membranes, coughing.
Eye: Causes burning and redness and irritation.
Skin: Prolonged exposure may cause irritation.

Carcinogenicity: ☐ NTP ☐ IARC Monographs ☐ OSHA Regulated ☒ Not a carcinogen

Conditions Generally Aggravated by Exposure: Preexisting skin disorders may be aggravated with contact.

Emergency and First Aid Procedures: Eyes: Flush with water for 15 minutes, if irritation persists get medical attention.
Skin: Wash thoroughly with water, if irritation persists get medical attention.
Ingestion: If conscious and able to swallow, induce vomiting. Seek medical attention.

Section VII - Precautions for Safe Handling and Use

If Material is Released or Spilled: Contain liquid to prevent discharge to streams. Spills or releases should be reported to appropriate local, state and federal regulatory agencies.

Wastes Disposal Method: Dispose of in accordance with federal, state, and local regulations.

Precautions for Handling and Storing: Store between 40 and 120 degrees F.

Other Precautions: Keep Out Of Reach Of Children.

Section VIII - Control Measures

Respiratory Protection: None required under normal conditions with adequate ventilation.
Ventilation: Adequate ventilation

Protective Gloves: Rubber gloves
Eye Protection: Proper eye protection is recommended.

Other Protective Equipment: Do not wear contact lenses. Eye wash and safety shower should be nearby.

Work/Hygienic Practices: Wash hands before eating. Launder contaminated clothing before reuse.