

Material Safety Data Sheet

Effective Date: 30-APR-2008

Product: ASULAM 4F (EPA REG. NO. 70506-139-5905)

I. IDENTIFICATION

Chemical Name: Asulam
Chemical Family: Postemergent Herbicide
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: 2302-17-2 (asulam technical)
EPA Number: 70506-139-5905

II. PHYSICAL DATA

Boiling Point: 104 Degrees C.
Freezing Point: Not available
Spec Gravity: 1.18 gms/cc
Vapor Pressure: Not available
Vapor Density: Not available
Solubility: Soluble
Volatiles: Not available
Evaporation: Not available
Melting Point: -6 Degrees C.
Appearance: Brown liquid with no appreciable odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Asulam technical	2302-17-2	35-37	N/E	Irritating to eyes, skin and respiratory tract.
Inert ingredients		63-65	N/E	Non-hazardous.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not available
Flammable Limit: Not available
Extinguishing Media: Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Contain fire fighting water to prevent environmental contamination.
Fire and Expl Hazard: May produce oxides of carbon, nitrogen and sulfur under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Harmful if swallowed. Acute Oral LD $> 5,000$ mg/kg (rat).
Skin Absorption: Skin absorption is not believed to be a primary route of exposure for this product. Acute Dermal LD₅₀ $> 2,000$ mg/kg (rabbit).
Inhalation: May cause irritation to the respiratory tract if vapors or spray mists are inhaled. Acute Inhalation LC₅₀ > 5 mg/L/4 Hr (rat).
Skin contact: Repeated or prolonged skin contact may cause allergic reactions in susceptible individuals.
Eye Contact: Contact with eyes causes redness, irritation and tearing.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a physician or poison control center immediately. Sip a glass of water, if able to swallow. Never give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by a physician or poison control center.
Skin: Wash affected area immediately with soap and water. If irritation develops, seek medical attention.
Inhalation: Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration. Call a physician or poison control center immediately if irritation develops.
Eyes: Flush eyes with water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Seek medical attention if irritation persists.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Stable under recommended storage conditions.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with acids.
Hazardous Combustion: Produces carbon oxides, nitrogen oxides and
sulfur oxides under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Dike spilled product to confine spill. Keep
spilled product out of lakes, streams, ponds or
drains. Absorb with an inert material, such as
clay, sand or soil. Collect absorbents and
place in suitable containers for proper
disposal.
Waste Disposal Method: This material must be disposed of according to
Federal, State or Local procedures under the
Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use NIOSH approved respiratory protection when
airborne exposure is likely.
Ventilation: Local mechanical exhaust ventilation preferred.
Gloves: Chemical-resistant gloves.
Eyes: Splash proof goggles or face shield.
Other: Eyewash station, emergency shower, impervious
apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store
with food, feed or other material to be used or
consumed by humans or animals. Do not
contaminate water supplies, lakes, streams,
ponds or drains with this product. Do not eat,
drink or smoke when using this product. Wash
thoroughly after handling.
Other precaution: Keep in a cool, dry and well-ventilated place.
Do not transport or store below -6 Degrees C.

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X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Weed Killing, Liquid (Asulam
Herbicide), N.O.I. (NMFC Item 50320, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 0

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: N

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