



MATERIAL SAFETY DATA SHEETS

42

ANTU (alpha-Naphthylthiourea)

1. CHEMICAL IDENTITY

Chemical Name : ANTU (alpha-Naphthylthiourea)

Chemical Classification: Toxic

Trade Name : Chemical 109, Dirax, Kill Kantz, Kripid, Krysid

Synonyms: N-(1-Naphthyl)-2-thiourea, 1-Naphthylthiourea, Alphanaphthyl thiourea

Formula : C₁₁H₁₀N₂S

CAS No: 86-88-4

UN No: 1651

Regulated Identification

Shipping Name : Naphthyl thiourea

Hazchem Code : 2Z

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No :

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
1 ANTU (alpha-Naphthylthiourea)	86-88-4	3	
2		4	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: Decomposes **Physical State:** Solid **Appearance:** White, crystalline or gray powder.

Melting Pt °C: 198 **Vapour Pressure @ 35°C mmHg:** 6.6X10⁻⁶ mm Hg @ 25 deg C /Estimated/ **Odour:** Odourless

Vapour Density(Air =1): 6.99 **Solubility in water at 30°C g/100ml:** 600 mg/L @ 25 deg C **Others:** Soluble in actone and triethylene glycol. Slightly soluble in hot Alcohol.

Specific Gravity (Water =1): >1 g/cm³

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability : No

LEL:

Flash Point °C in OC:

TDG Flammability:

UEL:

Flash Point °C in CC:

Autoignition Temperature °C :

Explosion sensitivity to impact: Stable

Explosion sensitivity to static Electricity: Stable

Hazardous Combustion Products : Hazardous decomposition products include: sulfur dioxide, oxides of nitrogen, and carbon monoxide.

Hazardous Polymerization :

Combustible Liquid: No

Explosive Material: No

Corrosive Material No

Flammable Material: No

Oxidiser : No

Others:

Pyrophoric Material: No

Organic Peroxide : No

4. REACTIVITY DATA

Chemical Stability : Stable at room temperature in closed containers under normal storage and handling conditions.

carbon dioxide.

Special Procedure : Extinguish fire using agent suitable for type of surrounding fire.

Unusual Hazards : Emits toxic fumes upon decomposition.

EXPOSURE: First Aid Measures:

Inhalation: Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth respiration. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. A doctor must be notified at once. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Antidotes / Dosages:

SPILLS :

Steps To Be Taken : Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.

Waste Disposal Method: Large quantities may be reclaimed. If not practical, dissolve in flammable solvent and atomize in combustion chamber.

8. ADDITIONAL INFORMATION / REFERENCES

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM :	Contact person
MAILING ADDRESS :	in Emergency :
TELEPHONE / TELEX NOS :	Local Bodies involved :
TELEGRAPHIC ADDRESS :	Standard Packing :
OTHERS :	Trem Card Details / Ref :

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Total No. of Pages: 3