

MATERIAL SAFETY DATA SHEET

MANUFACTURER: APPLIED TECHNOLOGIES
P.O. BOX 18476 FAIRFIELD, OH 45018
EMERGENCY TELEPHONE 1-800-424-9300

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: A-TECH 1300, PART A
DATE: SEPTEMBER, 2009

SECTION II - HAZARDOUS INGREDIENTS AND OTHER COMPONENTS

<u>INGREDIENT</u>	<u>% BY WEIGHT</u>	<u>EXPOSURE LIMITS</u>	<u>CAS #</u>
4,4' Diphenylmethane diisocyanate (MDI)	Trade Secret	.005 ppm	101-68-8
Naphthelene	Trade Secret	10 ppm	91-20-3
Petroleum Hydrocarbon	N/E	N/E	64742-94-5

SECTION III - PHYSICAL DATA

Boiling Point: >300°F
Specific Gravity (H₂O=1): 1.0
VD: N/A
Evaporation Rate: N/A
Solubility in Water: Reacts with Water
Appearance and Odor: Mild Aramatic odor – thin liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point : 245°F (method= PMCC)
Flammable Limits: LEL (%) N.D. UEL (%) N.D.
Extinguishing Media: Dry chemical, CO₂.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus with positive pressure mode, face piece, boots, gloves (neoprene), goggles, protective clothing.
Unusual Fire and Explosion Hazards: Closed containers may rupture due to high temperature and induced pressure.

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions To Avoid: Heat, open flame and sparks.
Incompatibility: (Materials to avoid) – Strong oxidizing agents, water, alcohol.
Hazardous Decomposition/By Products: Carbon dioxide, carbon monoxide, nitrogen oxide, trace amount of Hydrogen Cyanide.
Hazardous Polymerization: Will not occur

SECTION VI – HEALTH HAZARD DATA

Inhalation: Inhalation of mists and vapors can cause dry throat and cough, dizziness, nausea, headache and fatigue. MDI can include respirator sensation with asthma-like conditions/symptoms.

Skin Contact: Prolonged contact may cause irritation (reddening, swelling and blistering).

Eye Contact: Will cause irritation – flush with water for 15 minutes and get medical assistance.

Ingestion: Oral toxicity low level, can cause nausea, vomiting, diarrhea, and/or burns in the mouth.

Carcinogenicity: The components of this blend are not listed by the NTP, IARC or regulated by OSHA as carcinogens.

Medical conditions generally aggravated by exposure: Skin and eyes sensitization.

Emergency and First Aid Procedures: Eye: Flush with water for 15 minutes. Inhalation: Take person to fresh air. If difficulty in breathing persists, provide oxygen and get medical attention immediately. Skin Contact: Wash with soap and water. Ingestion: Do not induce vomiting. Consult Physician immediately.

SECTION VII – ACCIDENTAL RELEASE MEASURES

Spills: Eliminate ignition sources like heat, open flame and sparks, ventilate area of spill and dike area. Cover the spill with inert absorbent and place into proper containers.

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance is the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Refer to RCRA 40 - CFR 261 and/or any other appropriate, federal, state or local requirements for proper classification information.

Storage: Keep in cool, dry area, away from heat and open flame or sparks.

Other Precautions: Individuals with respirator problems to isocyanates must not be exposed to vapors or spray mist containing isocyanates.

SECTION VIII – EXPOSURE CONTROL

Ventilation: Local exhaust – Mechanical recommended. NIOSH/MSH or approved respirator with organic cartridge recommended for acid/organic vapor when airborne exposure is excessive.

Protective Gloves: Chemical Resistant Natural Rubber

Eye Protection: Chemical Safety Goggles

Clothing: Long sleeves, lab coat or aprons.

Avoid unnecessary exposure to vapors and mists. Use protective equipment and work with an eye wash station nearby.

HMIS Ratings: 0 = insignificant, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

Health	Flammability	Reactivity
2	2	1

All statements, technical information and recommendations contained herein are based upon available scientific test or data which we believe to be reliable since we cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. Applied Technologies makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.

MATERIAL SAFETY DATA SHEET

MANUFACTURER: APPLIED TECHNOLOGIES
P.O. BOX 18476 FAIRFIELD, OH 45018
EMERGENCY TELEPHONE 1-800-424-9300

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: A-TECH 1300, PART B
DATE: SEPTEMBER, 2009

SECTION II - HAZARDOUS INGREDIENTS AND OTHER COMPONENTS

<u>INGREDIENT</u>	<u>% BY WEIGHT</u>	<u>EXPOSURE LIMITS</u>	<u>CAS #</u>
Naphthelene	Trade Secret	10 ppm	91-20-3
Petroleum Hydrocarbon	N/E	N/E	64742-94-5

SECTION III - PHYSICAL DATA

Boiling Point: >300°F
Specific Gravity (H₂O=1): 1.0
VD: Heavier than air
Evaporation Rate: Slower than ether
Solubility in Water: N/A
Appearance and Odor: Mild Aramatic odor – thin liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point : 245°F (method= PMCC)
Flammable Limits: LEL (%) N.D. UEL (%) N.D.
Extinguishing Media: Dry chemical, CO₂.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus with positive pressure mode, face piece, boots, gloves (neoprene), goggles, protective clothing.
Unusual Fire and Explosion Hazards: Closed containers may rupture due to high temperature and induced pressure.

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions To Avoid: Heat, open flame and sparks.
Incompatibility: (Materials to avoid) – Isocyanates and strong oxidizing agents.
Hazardous Decomposition/By Products: Carbon dioxide, carbon monoxide, nitrogen oxide, trace amount of Hydrogen Cyanide.
Hazardous Polymerization: Will not occur

PART B (CONT'D)

SECTION VI – HEALTH HAZARD DATA

Inhalation: Inhalation of mists and vapors can cause dry throat and cough, dizziness, nausea, headache and fatigue. MDI can include respirator sensation with asthma-like conditions/symptoms.

Skin Contact: Prolonged contact may cause irritation (reddening, swelling and blistering).

Eye Contact: Will cause irritation – flush with water for 15 minutes and get medical assistance.

Ingestion: Oral toxicity low level, can cause nausea, vomiting, diarrhea, and/or burns in the mouth.

Carcinogenicity: The components of this blend are not listed by the NTP, IARC or regulated by OSHA as carcinogens.

Medical conditions generally aggravated by exposure: Skin and eyes sensitization.

Emergency and First Aid Procedures: Eye: Flush with water for 15 minutes. Inhalation: Take person to fresh air. If difficulty in breathing persists, provide oxygen and get medical attention immediately. Skin Contact: Wash with soap and water. Ingestion: Do not induce vomiting. Consult Physician immediately.

SECTION VII – ACCIDENTAL RELEASE MEASURES

Spills: Eliminate ignition sources like heat, open flame and sparks, ventilate area of spill and dike area. Cover the spill with inert absorbent and place into proper containers.

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance is the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Refer to RCRA 40 - CFR 261 and/or any other appropriate, federal, state or local requirements for proper classification information.

Storage: Keep in cool, dry area, away from heat and open flame or sparks.

Other Precautions: Individuals with respirator problems to isocyanates must not be exposed to vapors or spray mist containing isocyanates.

SECTION VIII – EXPOSURE CONTROL

Ventilation: Good general ventilation should be sufficient for most conditions.

Respiratory Protection: None required under normal/ambient conditions where work areas are adequately ventilated. If TLV of the product or any component is exceeded, a MSHA/NIOSH approved respirator is recommended in the absence of proper environmental control. NIOSH/MSH or approved respirator with organic cartridge recommended for acid/organic vapor when airborne exposure is excessive.

Protective Gloves: Chemical Resistant Natural Rubber

Eye Protection: Chemical Safety Goggles

Clothing: Long sleeves, lab coat or aprons.

Avoid unnecessary exposure to vapors and mists. Use protective equipment and work with an eye wash station nearby.

HMIS Ratings: 0 = insignificant, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

Health	Flammability	Reactivity
1	2	0

All statements, technical information and recommendations contained herein are based upon available scientific test or data which we believe to be reliable since we cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. Applied Technologies makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.