

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME	PIN-DEE 3.3 T & O
CHEMICAL NAME	Pendimethalin
CHEMICAL FAMILY	Herbicide (aniline derivative)
EPA REG. NO.	19713-590
SIGNAL WORD	CAUTION

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	PEL	CLASS
Pendimethalin	40487-42-1	37.4%	10ppm	NH
Inerts	NA	62.6%		NH

SECTION III – PHYSICAL DATA

Boiling Point	apprx. 244°C	Specific Gravity	1.06 gms/cc
Vapor Pressure	N/K	% Volatiles	Approx 60%
Vapor Density	N/K	Solubility in Water	Emulsifies
pH	6-7	Appearance/Odor	Dark amber liquid, aromatic odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point	Approx. 118°F
Extinguishing Media	Foam, dry extinguishing media, carbon dioxide, water spray
Fire Fighting Procedures	Firefighters should be equipped with self-contained breathing apparatus & turnout gear. Stay unwind. Prevent run off if possible.

SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Avoid all sources of ignition: Heat, sparks, open flame; extreme temperatures; prolonged exposure to extreme heat; contamination; electro-static discharge; prolonged storage
Incompatibility	Oxidizing agents, strong alkalis
Hazardous Decomposition Products	No hazardous decomposition products if stored & handled as prescribed/indicated.
Hazardous Polymerization	Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	Long term rat study= substance induced thyroid tumors; long term mice study=no effect observed; Low human exposure=no carcinogenic risk
Toxicity Data	Oral: LD50(Rat)=3,956 mg/kg; Dermal LD50(Rat): >2000 mg/kg Inhalation LC50 (Rat): >5.35 mg/l/4hr
N.F.P.A.	Health: 1; Fire: 2; Reactivity: 1 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure	May aggravate existing skin conditions. Avoid contact with skin or eyes. Do not ingest.

SECTION VII – EMERGENCY PROCEDURES

If on Skin: Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, seek medical attention.

If in Eyes: Hold eyes open & rinse slowly & gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Seek medical attention.

If Inhaled: Remove the affected individual into fresh air & keep the person calm. Assist in breathing if necessary. Seek medical attention.

If Swallowed: Rinse mouth & then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if victim is unconscious or having convulsions. Immediate medical attention required.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Contain spills and prevent runoff or entering of waterways. Assure protective equipment is worn. Pick up spills with absorbent material and place in suitable containers.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	Wear NIOSH-certified filter system to remove particles, gas and vapors.
Ventilation	Wear respiratory protection if ventilation is inadequate.
Protective Gloves	Protective glove selection must be based on the user's assessment of the workplace environment. (Impervious)
Eye Protection	Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.
Other	Body protection must be chosen depending on activity & possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Store away from foodstuffs.

D.O.T. Description	Bulk: Combustible liquids N.O.S. (Petroleum distillate), NA-1993 PG-III Non-Regulated (Non-bulk)
Freight Description	Agricultural herbicide, liquid, N.O.S.
Reportable Quantity	N/A
ERG: 128	

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