

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
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EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP

CHEMTREC: 1 (800) 424-9300

Product No.: 579650 **Pendulum® 2G granule herbicide**

Date Prepared: 7/18/2000 **Date Revised: 2/7/2001**

SECTION I

Trade Name: Pendulum® 2G granule herbicide

Chemical Name: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine

Synonyms: pendimethalin; AC 92,553

Formula: C13 H19 N3 O4

Chemical Family: dinitroaniline

Mol Wt: 281.350

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
pendimethalin	40487-42-1	2.00	None established
N-methylpyrrolidone	872-50-4	2.00	None established
inerts		95.83	None established

SARA Title III Section 313: Listed

SECTION III - PHYSICAL DATA

BOILING/MELTING POINT@760mm Hg: N/A **pH:** 5.29 (2% dispersion)

VAPOR PRESSURE mmHg @ 20°C: N/D

SPECIFIC GRAVITY OR BULK DENSITY: 39.2 lb/ft(3)

SOLUBILITY IN WATER: Dispersible

APPEARANCE: Yellow-brown granule **ODOR:** fatty musk **INTENSITY:** moderate

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N/D **AUTOIGNITION TEMP:** N/D

FLAMMABILITY LIMITS IN AIR (% BY VOL): **LOWER:** N/D **UPPER:** N/D

NFPA 704 HAZARD CODES

HEALTH: N/R **FLAMMABLE:** N/R **INSTABILITY:** 0 **OTHER:** N/R

NFPA 30 STORAGE CLASSIFICATION: N/R

EXTINGUISHING MEDIUM Use water fog, foam, CO(2), or dry chemical extinguishing media.

SPECIAL FIREFIGHTING PROCEDURES Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE -EXPLOSION HAZARDS Organic dusts may form an explosive dust/air mixture. Not impact sensitive.

SELECT ACRONYM KEY

N/A - Not available; N/D - Not determined; N/R - Not rated; N/E - Not established

SECTION V - HEALTH DATA**TOXICOLOGICAL TEST DATA:**

Data for the formulated product:

Rat, Oral LD50 (combined sexes) > 5000 mg/kg

Rabbit, Dermal LD50 (combined sexes) > 2000 mg/kg

Rat, Inhalation LC50 (4 hr) - Not available

Rat, Inhalation LC50 (1 hr calculated) - Not available

Rabbit, Eye Irritation - Moderately irritating

Rabbit, Skin Irritation - Moderately irritating

Guinea pig, Dermal Sensitizer - Not a skin sensitizer.

Direct contact of this product with skin or sclera of eye may cause orange-yellow staining which will fade with time.

For pendimethalin:

A marked depression in body weight gain and statistically significant increase in benign thyroid proliferative lesions were observed at the highest dose tested (5000 ppm) in the lifetime (24 month) rat study.

OSHA, NTP, or IARC Carcinogen: See below. The US EPA has classified pendimethalin an oncogenicity rating of "low c" (possible human carcinogen).

EFFECTS OF OVEREXPOSURE:

See Product Label and Directions For Use for additional precautionary statements.

CAUTION: KEEP OUT OF REACH OF CHILDREN

Avoid contact with skin, eyes and clothing. Avoid breathing dust.

Existing medical conditions aggravated by this product: None known

FIRST AID PROCEDURES

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

If inhaled: Move to fresh air. Aid in breathing if necessary, and get immediate medical attention.

Note to physician: Pendimethalin is a strongly orange-red compound - virtually an aniline dye. Cases have been described of orange-yellow coloration of urine following heavy exposure of workers to the dust of pendimethalin. Despite its structure as both a nitro-compound and aromatic amine, exposure to pendimethalin is NOT associated with methemoglobinemia.

Note: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION VI - REACTIVITY DATA

STABILITY: Stable. Do not store above 120° F.

CONDITIONS TO AVOID: Store in original container in cool, dry, well ventilated place away from ignition sources, heat or flame.

CHEMICAL INCOMPATIBILITY: Oxidizing agents and strong alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: Including but not limited to oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: Does not polymerize.

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION IX - SHIPPING DATA - PACKAGE AND BULK

D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):

None

HAZARDOUS SUBSTANCE
(49CFR CERCLA LIST):

RQ(lbs): None

D.O.T. HAZARD CLASSIFICATION (CFR 172.101-102):

PRIMARY

SECONDARY

None

D.O.T. LABELS REQUIRED (49CFR172.101-102):

None

D.O.T. PLACARDS
REQUIRED (CFR172.504):POISON CONSTITUENT
(49CFR172.203(K)):**BILL OF LADING DESCRIPTION**

Compounds, tree or weed killing (herbicides), NOIBN

This product is not regulated by the Department of Transportation.

CC NO.: Not applicable

UN/NA CODE:

SECTION X - ADDITIONAL INFORMATION**Pendulum® 2G granule herbicide**

EPA Reg. No. 241- 375

KEEP OUT OF REACH OF CHILDREN**CAUTION****Complete Label and Directions For Use are attached to the product.****Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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