

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.: 598135**Poast® herbicide****Date Prepared:** 4/22/86 **Date Revised:** 3/30/2000**SECTION I****Trade Name:** Poast® herbicide**Chemical Name:** See Section II - Ingredients

Synonyms: Sethoxydim, NP-55 (active ingredients),
BAS 9052 06H, BAS 562 05H (formulation)

Formula: C(17) H(29) O(3) N S
(active ingredient)

Chemical Family: Cyclohexanones**Mol Wt:** 327.5 (active ingredient)**SECTION II - INGREDIENTS**

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
Sethoxydim	74051-80-2	18	Not established
Petroleum solvent, including (naphthalene)	64742-94-5 91-20-3	74 (7)	100 ppm recommended by EXXON 10 ppm ACGIH/OSHA
Non-ionic emulsifier	9016-45-9	7	Not established
Impurities	N/A	1	Not established

Chemical name for sethoxydim:

2-[1-(ethoxyimino)butyl]-5-[2(ethylthio)propyl]-
3-hydroxy-2-cyclohexen-1-one

SARA Title III Section 313: Listed**SECTION III - PHYSICAL DATA****BOILING/MELTING POINT @760mm Hg:** N/D **pH:** 4 - 5 (as is)**VAPOR PRESSURE mmHg @ 20°C:** 2**SPECIFIC GRAVITY OR BULK DENSITY:** 0.935 g/mL **7.8 lb/gal****SOLUBILITY IN WATER:** Forms emulsion**APPEARANCE:** Light Amber Liquid **ODOR:** Aromatic **INTENSITY:** Moderate**SECTION IV - FIRE AND EXPLOSION DATA****FLASH POINT (TEST METHOD):** 145 °F as solvent **AUTOIGNITION TEMP:** approx. 443° C**FLAMMABILITY LIMITS IN AIR (% BY VOL):** LOWER: 1.3 @ 70° C **UPPER:** 5.3 @ 103° C**NFPA 704 HAZARD CODES****HEALTH:** 2 **FLAMMABLE:** 2 **INSTABILITY:** 1 **OTHER:****NFPA 30 STORAGE CLASSIFICATION:** Class IIIA

EXTINGUISHING MEDIUM	Use water fog, foam or dry chemical extinguishing media.
SPECIAL FIREFIGHTING PROCEDURES	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.
UNUSUAL FIRE EXPLOSION HAZARDS	None
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:**

For Poast® herbicide (formulated product):

Rat, Oral LD50 = 4.1 g/kg

Rat, Dermal LD50 > 5 g/kg

Rat, Inhalation LC50 (4 hr) > 4.6 mg/L

Rabbit, Eye Irritation - Moderately irritating

Rabbit, Skin Irritation - Moderately irritating

Guinea pig, Dermal Sensitizer - Non-sensitizing

EFFECTS OF OVEREXPOSURE:

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

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Do not get into eyes or on clothing. Harmful if swallowed.

Inhalation of the mists/vapors results in irritation to the nose, throat and lungs.

For a component of this formulation:

Ingestion of naphthalene results in cramps, nausea, vomiting, and diarrhea; listlessness; bladder irritation and brownish urine. Inhalation of naphthalene may cause headache, confusion and excitement. Chronic overexposure to naphthalene may result in liver/kidney disorders. Hemolysis, anemia, fever, hemoglobinuria and jaundice may also occur.

Those with prior blood diseases may be more severely affected.

Acute overexposure to solvent naphtha vapors may cause central nervous system effects, including headache, dizziness, drowsiness, and confusion. Ingestion causes nausea, vomiting, blurred vision, and CNS disorder. Aspiration of the liquid into the lungs may result in chemical pneumonitis, which may be fatal.

Prolonged or repeated skin contact may cause defatting and dermatitis.

The following special studies have been performed for the active ingredient:

Skin sensitization (guinea pig) - negative

Teratogenicity (rat and rabbit) - negative

Reproduction studies (2 generations rat) - negative

FIRST AID PROCEDURES

- 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.
- If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

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

SECTION IX - SHIPPING DATA - PACKAGE AND BULK**D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):**

BULK (120 gallons or more) - Combustible Liquid, NOS
PACKAGE - None

HAZARDOUS SUBSTANCE**(49CFR CERCLA LIST):**

Naphthalene (RQ as product = 193 gallons)

RQ(lbs): 100

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

BULK - Combustible Liquid
PKG - None

SECONDARY

None

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

None

**D.O.T. PLACARDS
REQUIRED (CFR172.504):**

Combustible

**POISON CONSTITUENT
(49CFR172.203(K)):**

None

BILL OF LADING DESCRIPTION

BULK - Combustible Liquid, NOS (contains Petroleum Distillate), NA 1993, PG III, RQ (Naphthalene), ERG 128,
Marine Pollutant

PACKAGE - Compounds, Tree or Weed Killing, (Herbicides), NOIBN

CC NO.: 431 (non-bulk); D72 (bulk)

UN/NA CODE: NA 1993

SECTION X - ADDITIONAL INFORMATION

Poast® herbicide

EPA Reg. No. 7969-58

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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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