

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
P.O.Box 13528,
Research Triangle Park, NC 27709

EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP
CHEMTREC: 1 (800) 424-9300

Product No.: 579672**Siege® gel insecticide****Date Prepared:** 8/25/2000 **Date Revised:****SECTION I****Trade Name:** Siege® gel insecticide**Chemical Name:** tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene] hydrazone**Synonyms:** hydramethylnon; AC 217,300**Formula:** C₂₅ H₂₄ F₆ N₄**Chemical Family:** Amidinohydrazone**Mol Wt:** 494.5**SECTION II - INGREDIENTS**

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
hydramethylnon*	67485-29-4	2.00	1.4 mg/m ³ TWA manufacturer recommended
inerts	N/A	98.00	None established

SARA Title III Section 313: *Listed**SECTION III - PHYSICAL DATA****BOILING/MELTING POINT @760mm Hg:** N/A**pH:** 5.5 - 6.5**VAPOR PRESSURE mmHg @ 20°C:** 10 @21°C**SPECIFIC GRAVITY OR BULK DENSITY:** 1.04 - 1.15 g/mL**SOLUBILITY IN WATER:** soluble**APPEARANCE:** Opaque yellow gel**ODOR:** Unknown**INTENSITY:** Unknown**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:** N/R**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:** None known.**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 - Not irritating

Rabbit, Skin Irritation - Not irritating

Guinea pig, Dermal Sensitizer - Not available

Data for the technical material:

In a two generation rat reproduction study, male reproductive fertility was depressed at 75 ppm due to degenerative testicular changes but this effect was not seen at 50 ppm.

OSHA, NTP, or IARC Carcinogen: Not listed.

EFFECTS OF OVEREXPOSURE:

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

CAUTION: KEEP OUT OF REACH OF CHILDREN

MAY BE HARMFUL IF SWALLOWED.

Avoid contact with skin and clothing. Wash hands thoroughly after handling.

Existing medical conditions aggravated by this product: None known.

FIRST AID PROCEDURES

If swallowed:	Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
If on skin:	Wash with plenty of soap and water. Get medical attention if irritation occurs.
If in eyes:	Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.
If inhaled:	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
Note to physician:	There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.
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. Avoid high temperature storage. Liquifies above 176°F or below 25°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.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, HF

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: Does not polymerize.

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION VII - PERSONAL PROTECTION**Respiratory Protection:**

Wear a NIOSH approved cartridge respirator approved for pesticides if the TWA of 1.4 mg/m³ is exceeded.

Respiratory Protection:

Supplied air respirators should be worn if large quantities of mist/dust (10 x the TWA) are generated or prolonged exposure possible.

Eye Protection:

Chemical goggles when respirator does not provide eye protection.

Protective Clothing:

Gloves and protective clothing as necessary to prevent skin contact.

Ventilation:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

SECTION VIII - ENVIRONMENTAL DATA**ENVIRONMENTAL TOXICITY DATA**

Hydramethylnon, the active ingredient, is very toxic to fish and aquatic invertebrates.

SARA 311/312 REPORTING

FIRE: N PRESSURE: N REACTIVITY: N ACUTE: Y CHRONIC: Y TPQ(lbs): N/R

SPILL AND LEAK PROCEDURES:

In case of large scale spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTREC (800 424-9300) or BASF Corporation (800 832-HELP). For a small spill, wear personal protective equipment as specified on the label.

FOR A LIQUID SPILL: Dike and contain the spill with inert material (sand, earth, etc.) and transfer the liquid and solid diking materials to separate containers for disposal.

FOR A SOLID SPILL: Sweep solid into a drum for re-use or disposal. Remove personal protective equipment and decontaminate it prior to re-use.

HAZARDOUS SUBSTANCE SUPERFUND: No RQ(lbs): None

WASTE DISPOSAL METHOD:

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

HAZARDOUS WASTE 40CFR261: No HAZARDOUS WASTE NUMBER: None

CONTAINER DISPOSAL:

See above "WASTE DISPOSAL METHOD".

SECTION IX - SHIPPING DATA - PACKAGE AND BULK

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

None

HAZARDOUS SUBSTANCE

(49CFR CERCLA LIST):

None

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):

None

POISON CONSTITUENT

(49CFR172.203(K)):

None

BILL OF LADING DESCRIPTION

Insecticides, agricultural, NOIBN

This product is not regulated by the Department of Transportation.

CC NO.: Not applicable

UN/NA CODE:

SECTION X - ADDITIONAL INFORMATION**Siege® gel insecticide**

Use only in areas not easily accessible to children and pets.

EPA Reg. No. 241-313

KEEP OUT OF REACH OF CHILDREN

CAUTION**BASF Corporation**

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