

**MATERIAL SAFETY
DATA SHEET**

BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709

BASF

PRODUCT NUMBER: 548510 **VANTAGE**

SECTION I

*Registered Trademark

TRADE NAME: **VANTAGE**

CHEMICAL NAME: N/A

SYNONYMS: Sethoxydim, NP-55,
BAS56216H

FORMULA: $C_{17}H_{29}O_3NS$
#-Active Ingredient

CHEMICAL FAMILY: Cyclohexanone

MOL. WGT.: 327.5 #

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
VANTAGE		100	Not established
Contains: Sethoxydim	74051-80-2	13	Not established
Inerts, including: Naphthalene	81-20-3	87	
		1.3	10 ppm ACGIH, OSHA (Trans/ Final) 15 ppm STEL ACGIH, OSHA (Final)

SARA Title III Sect. 313: Listed.

SECTION III - PHYSICAL DATA

BOILING/MELTING POINT @760 mm Hg: N/D

pH: 3.2(1% Aq.);3.5(5% Aq.)

VAPOR PRESSURE mm Hg @20 C: 2

SPECIFIC GRAVITY OR BULK DENSITY: 0.906 g/ml

SOLUBILITY IN WATER: Forms emulsion

Color: Straw

APPEARANCE: Clear Liquid

ODOR: Mild Aromatic

INTENSITY: Moderate

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 141°F (61.5°C) T.C.C.

AUTOIGNITION TEMP: ~397°C

FLAMMABILITY LIMITS IN AIR (% BY VOL)

LOWER: 1.3#

UPPER: 5.3##

EXTINGUISHING
MEDIUM

Use water fog, foam, CO2 or dry chemical extinguishing media.

SPECIAL
FIREFIGHTING
PROCEDURES

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

UNUSUAL FIRE
AND EXPLOSION
HAZARDS

None.

#e 70°C; ##e 103°C

EMERGENCY TELEPHONE NUMBER

CHEMTREC 800-424-9300

1-800-832-HELP

THIS NUMBER IS AVAILABLE DAYS, NIGHTS, WEEKENDS, AND HOLIDAYS

SECTION V - HEALTH DATA

TOXICOLOGICAL TEST DATA:

VANTAGE

Rat, Oral LD50
 Rat, Dermal LD50
 Rat, Inhalation LC50
 Rabbit, Eye & Skin Irritation

RESULT:

>2200 mg/kg
 >2000 mg/kg
 >7.6 mg/l (4 hrs.)
 Moderately Irritating

The following special studies have been performed for the active ingredient:
 See Section V--Health Hazard Data--Effects of Overexposure.

EFFECTS OF OVEREXPOSURE:

Routes of exposure to this material include eye and skin contact or inhalation. Eye contact may cause irritation, redness and corneal opacity which may be persistent. Prolonged skin contact may cause irritation, redness and swelling. Inhalation of the mists/vapors results in irritation to the nose, throat and lungs. 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.
 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:

Eyes-Immediately wash eyes with running water for 15 minutes.
 If irritation develops, consult a physician.
 Skin-Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, consult a physician.
 Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.
 Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

SECTION VI - REACTIVITY DATA

STABILITY: Unstable.
CONDITIONS TO AVOID: Heat, air, moisture.

CHEMICAL INCOMPATIBILITY: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: Does not occur
CONDITIONS TO AVOID: N/A

CORROSIVE TO METAL: No **OXIDIZER:** No

SECTION VII - SPECIAL PROTECTION

RESPIRATORY PROTECTION:
 Canister or cartridge respirator for herbicides and hydrocarbon solvent mists if exposure to spray mist or vapors will occur.

EYE PROTECTION: Chemical goggles.

PROTECTIVE CLOTHING: Gloves, coveralls, apron, boots as necessary to prevent skin contact.

VENTILATION: Local exhaust for bulk transfer operations.

OTHER: Eyewash facilities should be available.

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SECTION VIII - ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA:

Wear rubber gloves, goggles and boots when cleaning up liquid spill. Cover contaminated area with absorbent material until dry. After absorbent is removed, wash down the area with trisodium phosphate, household lye.

SPILL AND LEAK PROCEDURES:

Spills should be contained, solidified, and placed in suitable containers for disposal in a licensed pesticide facility. This material is RCRA hazardous due to its properties.

HAZARDOUS SUBSTANCE SUPERFUND: Yes **RQ (lbs):** 100 (Naphthalene)

WASTE DISPOSAL METHOD:

Incinerate in a licensed pesticide facility. Do not discharge into waterways or sewer systems without proper authority.

HAZARDOUS WASTE 40CFR261: Yes **HAZARDOUS WASTE NUMBER:** D 001

CONTAINER DISPOSAL:

Triple rinse can into sprayer. Dispose of container in an incinerator or landfill EPA-approved for pesticide containers. Consult with disposal authorities for approved alternative procedures.

SECTION IX - SHIPPING DATA

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

Bulk- Compounds, Weed Killing, Liquid-
Pkg- None

HAZARDOUS SUBSTANCE (49CFR CERCLA LIST)

Yes--Naphthalene

REPORTABLE QUANTITY (RQ) 100

D.O.T. HAZARD CLASSIFICATION (CFR172.101-102)

PRIMARY

Bulk- Combustible
Pkg- None

SECONDARY

None

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

Bulk- Combustible
Pkg- None

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

Bulk Only
Combustible
" 1993 "

POISON CONSTITUENT (49CFR172.203(K))

None

BILL OF LADING DESCRIPTION

Bulk- Compounds, Weed Killing, Liquid (Contains Xylene)
Combustible Liquid
NA 1993
Placarded Combustible

Pkg- Compounds, Tree Or Weed Killing, (Herbicides), NOIBN.

CC NO. 288/431

UN/NA CODE 1993

DATE PREPARED: 5 / 4 / 89

UPDATED: 4/26/91

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