

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME HORMEX CONCENTRATE	EMERGENCY TELEPHONE NO. 800-424-9300 EPA REG. NO. N/A
MANUFACTURER'S NAME BROOKER CHEMICAL CORPORATION	DATE PREPARED REV. 04/99
ADDRESS (Number, Street, City, State, Zip Code) P.O. BOX 5096, CHATSWORTH, CA 91313	
HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME (49CFR 172.101) PLANT GROWTH REGULATOR OTHER THAN POISON NOT REGULATED BY DOT	HAZARD CLASS (49 CFR 172.101): NONE
CHEMICAL FAMILY: PLANT GROWTH REGULATOR	

SECTION II INGREDIENTS (list all ingredients)

ACTIVE INGREDIENTS:	CAS REGISTRY NO.	
1-NAPTHALENEACETIC ACID	86-87-3	
INDOLE 3 BUTYRIC ACID	133-32-24	
INERT INGREDIENT: VITAMIN B1 THIAMIN HYDROCHLORIDE	N/A	

SECTION III - PHYSICAL DATA

BOILING POINT (°F) (°C): N/A	SPECIFIC GRAVITY (H ₂ O=1): 1.21
VAPOR PRESSURE (mm Hg): N/A (psi): N/A	PERCENT VOLATILE BY VOLUME (%): N/A
VAPOR DENSITY (AIR =1): >1	EVAPORATION RATE (=1): N/A
SOLUBILITY IN WATER: SOLUBLE	pH = 6.8
APPEARANCE AND ODOR CLEAR OR REDDISH LIQUID WITH VITAMIN ODOR	IS MATERIAL LIQUID: XXX SOLID: GAS: PASTE: POWDER:

SECTION IV - FIRE EXPLOSION HAZARD DATA

FLASH POINT (method used) (°F) (°C) NONE	FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: DRY CHEMICALS ON SMALL FIRES. WATER SPRAY ON LARGE FIRES.	
SPECIAL FIRE FIGHTING PROCEDURES: NONE	UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: MAY CAUSE MILD SKIN AND EYE IRRITATION. MAY CAUSE VOMITING IF INGESTED. PRE-EXISTING SKIN DISORDERS CAN BE AGGRAVATED BY EXPOSURE. NO KNOWN CHRONIC EFFECTS.
EMERGENCY & FIRST AID PROCEDURES: IF SWALLOWED: CALL PHYSICIAN OR POISON CONTROL CENTER. GIVE ONE OR TWO GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF IN EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF INHALED: REMOVE VICTIM TO FRESH AIR. IF ON SKIN: REMOVE CONTAMINATED CLOTHING, WASH AFFECTED AREA WITH SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSING.

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SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE	CONDITIONS TO AVOID: NONE
STABLE XXX	
INCOMPATIBILITY (materials to avoid): NONE	CONDITIONS TO AVOID: NONE
HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR: XXX	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WITH INERT MATERIAL AND PLACE IN APPROVED CONTAINERS.	TREAT AREA WITH WATER, ABSORB
WASTE DISPOSAL METHOD: DISPOSE OF WASTE AND CONTAINERS IN ACCORDANCE WITH LOCAL/STATE AUTHORITIES.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NOT EXPECTED TO BE AN INHALATION HAZARD UNDER NORMAL USE.	
VENTILATION: FRESH AIR	SPECIAL:
LOCAL EXHAUST (specify rate): N/A	OTHER: CLEAN, BODY COVERING CLOTHING.
MECHANICAL (general specific rate): N/A	EYE PROTECTION: YES
PROTECTIVE GLOVES: YES	OTHER PROTECTIVE EQUIPMENT: EYE FOUNTAIN & WASHING FACILITIES NEAR WORK AREA.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP OUT OF REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED. DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT CONTAMINATE FOOD, FEED OR WATER BY STORAGE OR DISPOSAL. STORE IN ORIGINAL, CLOSED CONTAINER.
OTHER PRECAUTIONS: NONE

NFPA & HMIS HAZARD RATING SCALE: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE

NFPA HAZARD RATING: HEALTH: (1) FIRE: (1) REACTIVITY: (0)

HMIS HAZARD RATING: HEALTH: (1) FIRE: (1) REACTIVITY: (0)

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