

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME HORMEX ROOTING POWDER NO. 45	EMERGENCY TELEPHONE NO. 800-424-9300 EPA REG. NO. 8281-5
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MANUFACTURER'S NAME BROOKER CHEMICAL CORPORATION	DATE PREPARED REV. 09/02
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ADDRESS (Number, Street, City, State, Zip Code) P.O. BOX 5096, CHATSWORTH, CA 91313
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HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME (49CFR 172.101) PLANT GROWTH REGULATOR SOLID OTHER THAN POISON NOT REGULATED BY DOT	HAZARD CLASS (49 CFR 172.101): NONE
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CHEMICAL FAMILY: HORMONE ROOTING COMPOUND
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SECTION II INGREDIENTS (list all ingredients)

ACTIVE INGREDIENTS:	CAS REGISTRY NO.	%
INDOLE-3-BUTYRIC ACID	133-32-4	4.5
INERT INGREDIENTS:		
TALC	14807-96-6	95.5

SECTION III - PHYSICAL DATA

BOILING POINT ( °F ) ( °C)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	N/A
VAPOR PRESSURE (mm Hg):	N/A (psi): N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR =1)	N/A	EVAPORATION RATE ( =1)	N/A
SOLUBILITY IN WATER	N/A	pH =	N/A
APPEARANCE AND ODOR WHITE WETTABLE POWDER - ODORLESS	IS MATERIAL LIQUID: SOLID: XXX 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
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EXTINGUISHING MEDIA: DRY CHEMICALS ON SMALL FIRES. WATER SPRAY ON LARGE FIRES.
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SPECIAL FIRE FIGHTING PROCEDURES: NONE	UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN
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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: IRRITATION OF EYES, SKIN, NOSE & THROAT. MAY PRODUCE VOMITING, NAUSEA AND HYPEREXCITABILITY. CONSUMPTION OF ALCOHOL BEFORE OR AFTER EXPOSURE MAY RESULT IN HEADACHES, SWEATING OR FLUSHING.
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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. LAUNDRER CLOTHES BEFORE REUSING.
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**SECTION VI - REACTIVITY DATA**

STABILITY: UNSTABLE STABLE      XXX	CONDITIONS TO AVOID:
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INCOMPATIBILITY (materials to avoid): AVOID MIXING WITH COPPER BASED PRODUCTS. DECOMPOSES IN CONTACT WITH MINERAL ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: BY ACIDIC DECOMPOSITION THIRAM CAN EVOLVE DISULFIDE.

HAZARDOUS POLYMERIZATION:      MAY OCCUR WILL NOT OCCUR      XXX	CONDITIONS TO AVOID:      NONE
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**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILL: SWEEP UP SPILLED MATERIAL AND REUSE AS INTENDED OR PLACE IN WASTE DISPOSAL CONTAINER. SCRUB AREA WITH WATER.

WASTE DISPOSAL METHOD: DISPOSE OF WASTE AND CONTAINERS IN ACCORDANCE WITH LOCAL/STATE AUTHORITIES

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (specify type):

VENTILATION: LOCAL EXHAUST (specify rate): MECHANICAL (general specific rate): SUFFICIENT TO CONTROL DUST.	SPECIAL: OTHER: CLEAN, BODY COVERING CLOTHING.
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PROTECTIVE GLOVES:      YES	EYE PROTECTION:      YES
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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. HARMFUL IF SWALLOWED. DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT BREATHE DUST. DO NOT CONTAMINATE FOOD, FEED OR WATER BY STORAGE OR DISPOSAL. STORE IN ORIGINAL, CLOSED CONTAINER IN A LOCKED STORAGE AREA.

OTHER PRECAUTIONS: