

GENESIS PRO-HEX SAFETY DATA SHEET

GENESIS AGRI-PRODUCTS
2522 OLD TOWN ROAD
UNION GAP, WASHINGTON 98903
Emergency Phone # (509) 452-0302

1. IDENTIFICATION

PRODUCT IDENTIFIER: Pro-Hex

SYNONYMS: None Available

RECOMMENDED USE: Plant growth regulator
For use on apples, grass grown for seed,
Peanuts, and sweet cherries.

MOLECULAR WEIGHT: Not Applicable

CHEMICAL FORMULA: Not Applicable

CHEMICAL FAMILY: Not Applicable

GENERIC DESCRIPTION: Not Applicable

RESTRICTIONS ON USE: Agriculture, For professional
users only.

MANUFACTURER INFORMATION

COMPANY NAME: GENESIS AGRI-PRODUCTS

ADDRESS: 2522 OLD TOWN ROAD
UNION GAP, WA 98903

TELEPHONE: (509) 575-8382

EMERGENCY PHONE:

US: 1-800-424-9300 (CHEMTREC)

INTERNATIONAL: 1-202-483-7616

2. HAZARDS IDENTIFICATION

LABEL ELEMENTS: None

SIGNAL WORD: None.
Eye irritant 2B

HAZARD STATEMENT: Causes eye irritation.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

PRECAUTIONARY STATEMENTS

PREVENTION - Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

RESPONSE - If eye irritation persists get medical advice / attention.

DISPOSAL - Pesticide disposal: Dispose of as controlled waste, via a licensed contractor ensuring that all national and local authority requirements are complied with. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

3. COMPOSITION/INGREDIENTS

| <u>CHEMICAL NAME</u> | <u>CAS#</u> | <u>Typical Composition (%)</u> |
|----------------------|-------------|--------------------------------|
| Prohexadione calcium | 127277-53-6 | 27.5% |

4. FIRST-AID MEASURE

SYMPTOMS AND EFFECTS OF EXPOSURE & INSTRUCTIONS FOR SPECIAL MEDICAL TREATMENT

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 do so by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You can also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, seven days a week.

5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES:

EXTINGUISHING MEDIA: Water, foam, carbon dioxide

SPECIFIC HAZARDS: None, product only partly combustible

PROTECTIVE EQUIPMENT: As required for surrounding fire

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR RELEASES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Refer to Section 8 "Exposure controls/personal protection"

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Collect by use of vacuum cleaner or sweep up avoiding formation of dust clouds, damping down with water if necessary. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

ADVICE ON SAFE HANDLING: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

CONDITIONS FOR SAFE STORAGE: Store in original container only. After partial use, close the container tightly. Store in a secure place that is temperate and dry. Use spray and stock solutions within 24 hours. Immediate use is required if another component is added to the spray solution.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT: OSHA PEL: Not listed
ACIGH TLV: Not listed

ENGINEERING CONTROLS: No applicable information available.

INDIVIDUAL PROTECTION MEASURES: Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

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|------------------------|-------------------------------------|
| PHYSICAL STATE: | Free flowing granular solid |
| COLOR: | Brown |
| ODOR: | No discernible odor |
| ODOR THRESHOLD: | No applicable information available |
| pH: | 6-8 |

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| MELTING POINT/FREEZING POINT: | Not available. |
| INITIAL BOILING POINT/BOILING RANGE: | Not available. |
| FLASH POINT: | Not available. |
| EVAPORATION RATE: | (Ether=1): Not Applicable |
| FLAMMABILITY (SOLID,GAS): | Not flammable |
| UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: | |
| FLAMMIBILITY LIMIT-LOWER (%) | Not available. |
| FLAMMIBILITY LIMIT-UPPER (%) | Not available. |
| EXPLOSIVE LIMIT-LOWER (%) | Not available. |
| EXPLOSIVE LIMIT-UPPER (%) | Not available. |
| VAPOR PRESSURE: | Not available. |
| VAPOR DENSITY: | Not available. |
| RELATIVE DENSITY (@ 20°C): | Pour 0.56 g/ml at 20° C, bulk 0.62 g/ml at 20°C |
| SOLUBILITY(IES): | |
| SOLUBILITY IN WATER: | 20°C dispersible |
| PARTITION COEFFICIENT (N-OCTANO/WATER): | Not available. |
| AUTO-IGNITION TEMPERATURE: | Not available. |
| DECOMPOSITION TEMPERATURE: | Not available. |
| THERMAL DECOMPOSITION: | Not available |
| VISCOSITY: | Not available. |
| OTHER INFORMATION: | |
| DISPERSION PROPERTIES: | See solubility in water. |
| WATER/OIL DIST. COEFF: | Not available. |
| %VOLATILE (BY WT.): | Not available. |
| VOLATILITY | Not available. |
| SALT-OUT TEMPERATURE: | Not available. |
| SPECIFIC GRAVITY (H₂O=1): | Not available. |

10. STABILITY AND REACTIVITY

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| REACTIVITY: | No applicable information available |
| CHEMICAL STABILITY: | Stable under normal conditions of use |
| POSSIBILITY OF HAZARDOUS REACTIONS: | No applicable information available |
| CONDITIONS TO AVOID: | None known |
| INCOMPATIBLE MATERIALS: | Strong oxidizing agents |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None under normal conditions of storage and use |

11. TOXIOLOGICAL INFORMAITON

IMMEDIATE EFFECTS/DELAYED EFFECTS OF SHORT-TERM EXPOSURE/CHRONIC EXPOSURE

ROUTES OF EXPOSURE/ACUTE TOXICITY

ORAL: LD₅₀ >2000 mg/kg (EPA category III)
INHALATION: Kudos is a granule formulation and is nearly dust free
DERMAL: LD₅₀ >2000 mg/kg (EPA category III)

IRRITATION

EYE: Moderate irritant (EPA category III)
SKIN: Moderate irritant (EPA category III)
RESPIRATORY TRACT: Kudos is a granule formulation and is nearly dust free so respiratory irritation is unlikely

SENSITIZATION

SKIN: Non-sensitizer
CARCINOGENICITY: No evidence of carcinogenic effects
MUTAGENICITY: No evidence of mutagenic effects
REPRODUCTIVE TOXICITY: No evidence of reproductive effects
CHRONIC TOXICITY; No applicable information available
NTP/IARC/OSHA Listing(s) No applicable information available

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Fish: LC₅₀ >100 mg/l (96h) (active ingredient)
Daphnia: EC₅₀ >100 mg/l (48h) (active ingredient)
Algae: EC₅₀ >100 mg/l (72h) (active ingredient)
Lemna: EC₅₀ >1.2 mg/l (120h) (active ingredient)
Bird: LC₅₀ >2000 mg/l (active ingredient)
Bee: LD₅₀ >100 mg/bee (Oral and contact) (active ingredient)
Earthworm: >1000 as/kg soil (active ingredient)

MOBILITY: No applicable information available
PERSISTENCE AND DEGRADABILITY: Ready biodegradable
BIOACCUMULATION POTENTIAL: No applicable information available.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL:

Dispose of as controlled waste, via a licensed contractor ensuring that all national and local authority Requirements are complied with.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

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|------------------------------|---|
| UN number: | Not applicable |
| Proper shipping name: | Plant growth inhibitor, modifier or regulator |
| Class: | Not applicable |
| Packaging group: | Not applicable |
| NMFC number/class: | 101685/65 |
| Marine Pollutant: | Not applicable |

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environment Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

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| EPA signal word: | CAUTION Classifications under 40 CFR 156.62 stated in sections 9 and 11 where applicable |
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|----------------------------------|---|
| Precautionary statements: | HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. |
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| Pictograms/symbols: | None |
|----------------------------|------|

16. OTHER INFORMATION/PREPERATION DATE

OTHER SPECIAL CONSIDERATIONS: Not applicable.

NOTICE TO READER:

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