

SAFETY DATA SHEET

1. Identification:

Product identifier:	Kudos® 27.5WDG
Distributed by:	Fine Americas, Inc. 1850 Mt. Diablo Blvd., Suite 405, Walnut Creek, CA 94596, USA Tel: 925-932-8800
Emergency phone number:	Chemtrec 1-800-424-9300
Recommended use:	Plant growth regulator for use on apples, grass grown for seed, peanuts, and sweet cherries
EPA reg. number:	62097-41-82917

2. Hazard(s) identification (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):

Signal word/symbol(s): none

Eye irritant 2B

PRECAUTIONARY STATEMENTS

P264 Wash hands thoroughly after handling

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313 If eye irritation persists get medical advice / attention.

HAZARD STATEMENTS

Environmental Hazards

H320 Causes eye irritation

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.

3. Composition:

Chemical name:	Prohexadione calcium
Concentration:	27.5%
CAS number:	127277-53-6 (active ingredient)

4. First aid measures:

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 may 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:

Extinguishing media:	Water, foam, carbon dioxide
Specific hazards:	None, product only partly combustible
Protective equipment:	As required for surrounding fire

6. Accidental release measures:

Personal precautions:	Refer to Section 8 "Exposure controls/personal protection"
Methods for 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

Precautions for safe handling:	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately
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	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:	Brown free flowing granular solid
Odor:	No discernible odor
Odor threshold:	No applicable information available
pH (1% in water):	6 - 8
Melting point/freezing point:	Not applicable
Boiling point:	Not applicable, product is a solid
Flash point:	Not flammable
Evaporation rate:	Not applicable, product is a solid
Flammability:	Not flammable
Explosive properties:	Not explosive
Vapor pressure:	No applicable information available
Vapor density:	No applicable information available
Relative density (@ 20°C):	Pour 0.56 g/ml at 20°C, bulk 0.62 g/ml at 20°C
Solubility(ies):	Water: @ 20°C dispersible Fat: No applicable information available
Partition coefficient:	No applicable information available
Auto-ignition temperature:	Not applicable, product is a solid
Decomposition temperature:	No applicable information available
Viscosity:	Not applicable, product is a solid

10. Stability and reactivity:

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. Toxicological information:

Routes of exposure/acute toxicity	
Oral:	LD ₅₀ >2000 mg/kg (EPA category III)
Inhalation:	Kudos is a granule formulation and is nearly dust free
Dermal:	LD ₅₀ >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: LC ₅₀ >100 mg/l (96h) (active Ingredient) Daphnia: EC ₅₀ >100 mg/l (48h) (active Ingredient) Algae: EC ₅₀ >100 mg/l (72h) (active Ingredient) Lemna: EC ₅₀ >1.2 mg/l (120h) (active Ingredient) Bird: LC ₅₀ >2000 mg/l (active Ingredient) Bee: LD ₅₀ >100 µg/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:

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 Environmental 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.

EPA signal word:	CAUTION Classifications under 40 CFR 156.62 stated in sections 9 and 11 where applicable.
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.
Pictograms/symbols:	None

16. Other information:

The information contained within this SDS is correct to the best of Fine Americas' knowledge at the time of preparation. It does not purport to be an exhaustive assessment. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. Fine Americas assumes no responsibility for any incidental or consequential damages arising from the use of this data and expressly disclaims any liability for loss, injury, damages or expenses arising from any failure to take into account the information or advice contained in this document.

This SDS does not replace or modify the EPA-approved product labelling (attached to the product container). It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

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