

Safety Data Sheet

1 IDENTIFICATION

Product Name:

Sinbar® WDG

Agricultural Herbicide

EPA Reg. No.:
Chemical Family:

61842-27
Organic substituted uracil

Manufacturer/Supplier:



Tessengerlo Kerley Inc.
2255 N. 44th Street, Suite 300
Phoenix, Arizona 85008-3279
Information: (602) 889-8300

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC®:

(800) 424-9300 (CHEMTREC)
(866) 374-1975 (Tessengerlo Kerley)

2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Pictogram	Hazard Statements	Precautionary Statements
	Harmful if swallowed Harmful if inhaled. May be harmful in contact with skin.	Do not eat, drink or smoke when using this product. Use only outdoors or in well-ventilated area. Wear protective apron, gloves and eye and face protection. Do not store near combustibles, ignition sources or flames. Wash thoroughly after handling product.
	Harmful to aquatic life with long lasting effects.	Do not allow release to aquatic waterways.

Signal word: Warning

Hazard-determining component(s) of labeling:

Terbacil

NFPA Hazard Ratings



HMIS Ratings



3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Description: Agricultural herbicide

Active Ingredient:	Component	CAS No.	% by Weight
	Terbacil (3-Tert-butyl-5-chloro-6-methyluracil)	5902-51-2	80

4 FIRST AID MEASURES

Description of first aid measures

General information:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-866-374-1975. See Label for Additional Precautions and Directions for Use.

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 the poison control center or doctor. Do not give anything by mouth 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.

5 FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

Use firefighting measures that suit the environment.

Special hazards arising from the substance or mixture

May be ignited by heat or open flame. Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Advice for firefighters

Protective equipment:

Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear. Do not allow extinguishing media into waterways or storm water systems.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment specified in Section 8. Isolate the release area and deny entry to unnecessary, unprotected and untrained personnel.

Environmental precautions:

Terbacil has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion. This chemical also has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

7 HANDLING and STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Avoid prolonged or repeated exposure.

Personnel must refer to the Product Label and Directions For Use attached to the product for agricultural use requirements in accordance with the EPA Worker Protection Standard.

7 HANDLING and STORAGE *(continued)*

Information about protection against explosions and fires:

Avoid dust generation. Keep away from heat, open flame, or ignition sources. Keep protective respiratory device available.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

Store in a well ventilated place.

Keep away from any sources of heat or flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with occupational exposure limits: N/A

Additional information:

Personnel who handle this product in its end-use application should use this product only in accordance with its pesticide labeling and with the "Worker Protection Standard", 40 CFR 170.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Breathing equipment:

Use NIOSH approved, dual cartridge respirators for dusts or mists if local ventilation is inadequate (N, R or P class filter media with NIOSH approved prefix TC-84A).

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Material of gloves

Butyl rubber, BR

Natural rubber, NR

Nitrile rubber, NBR

Neoprene gloves

Penetration time of glove material

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:

Tightly sealed goggles

Face protection

Body protection:

Wear long-sleeved shirt and long pants, waterproof shoes and socks. Wash contaminated clothing before reuse.

9 PHYSICAL and CHEMICAL PROPERTIES

Appearance	Grey/Tan granules
Odor	Odorless
Odor Threshold	Not determined
pH (25°C)	8.64
Melting/Freezing Point	Not determined
Boiling Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability (Solid/Gas)	N/A
Upper/Lower Flammability or Explosive Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Bulk Density (23°)	0.56 g/mL
Solubility (in Water)	dispersible
Partition Coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	N/A

10 STABILITY and REACTIVITY

Reactivity	N/A
Chemical stability	This is a stable material under normal temperature and storage conditions.
Possibility of hazardous reactions	None known
Conditions to avoid	Exposure to extreme heat or open flames.
Incompatibility	Avoid all sources of ignition, heat or open flame. Avoid prolonged exposure to excessive temperatures.
Hazardous decomposition products	None known

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC₅₀ values relevant for classification:

Oral	Rat LD ₅₀ (female)	>5000 mg/kg
	Rat LD ₅₀ (male)	>2,784 mg/kg
	Rabbit LD ₅₀	>5,000 mg/kg
Inhalation	Rat LC ₅₀ :	5.3 mg/L (4 hrs)
Eye Irritation	Moderate eye irritant in animals	
Skin Irritation	Moderate skin irritant in animals	
Skin Sensitization	Not a skin sensitizer in animals	

This information is based on the active ingredient: Terbacil

Developmental Toxicity

Maternal and embryo-fetal toxicity only was demonstrated at the 600 mg/kg dose level. Thus terbacil was not demonstrated to represent a unique hazard to the conceptus.

Reproductive Toxicity

There was no significant difference between the control and experimental groups in pregnancy rate or in the number of nidations, resorptions, and death.

11 TOXICOLOGICAL INFORMATION *(continued)*

Carcinogenic categories Terbacil is classified as a Group E carcinogen (no evidence of carcinogenicity in animal studies). Not listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program) or OSHA-Ca (Occupational Safety & Health Administration)

12 ECOLOGICAL INFORMATION

Aquatic Toxicity

96 hour LC ₅₀	Bluegill sunfish:	102.9 ppm
96 hour LC ₅₀	Rainbow trout:	46.2 ppm
72 hour EC ₅₀	Green algae:	0.018 ppm

Aquatic Invertebrates

48 hour EC ₅₀	Water flea (<i>daphnia magna</i>)	68 ppm
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Avian Toxicology

Acute Oral LD ₅₀	Bobwhite quail	>2250 mg/Kg
Acute dietary LC ₅₀	Mallard duck	>5,000 ppm

Persistence and degradability degradation

t _{1/2} in water	29 to 54 days; photolytic
t _{1/2} in soil	122 to 720 days; photolytic

degradation

Bioaccumulative potential

Static test in bluegills with 96 h depuration (< 8 µg/g to < 0.01 µg/g)
Not expected to bioaccumulate in fish tissues

Mobility in soil

K _{ad}	0.39 to 1.3 ml/g
K _{oc}	44 to 61 ml/g

Due to its low sorption affinity for soil, terbacil is expected to be very mobile in soil.

13 DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must 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 bag into application equipment. Then offer for recycling if available or dispose of empty bag 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:

DOT	None
ADR, , IATA	UN3077
IMDG	UN3077

UN Proper shipping name:

DOT	Not Regulated
ADR	UN3077 Environmentally hazardous substance, solid, n.o.s.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14 TRANSPORT INFORMATION *(continued)*

Transport hazard class(es)/Label(s):

DOT None
ADR, IMDG



9 Miscellaneous dangerous substances and articles

IATA



9 Miscellaneous dangerous substances and articles

Packing group:

ADR, IMDG, IATA III

Environmental hazards:

Not known

Marine pollutant:

No

Special marking (ADR):

N/A

Special marking (IATA):

N/A

EMS Number:

N/A

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

15 REGULATORY INFORMATION

FIFRA:

Product Name: Sinbar WDG

EPA Reg. No. 61842-27

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. 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:

CAUTION

Harmful if swallowed.
Causes moderate eye irritation.
Avoid contact with eyes, skin or clothing.

Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances): Not listed.

Section 313 (Toxic Release Reporting-Form R):

<u>Chemical name</u>	<u>CAS No.</u>	<u>Concentration</u>
Terbacil	5902-51-2	80%

TSCA (Toxic Substances Control Act): Exempt from TSCA

Proposition 65

This product contains a chemical known to the state of California to cause developmental toxicity.

CERCLA/SUPERFUND:

RQ (Reportable Quantity) Not applicable

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

16 OTHER INFORMATION

Issue Date: April 16, 2015

REVISIONS: SDS was reformatted in compliance with HCS 29 CFR 1910.1200 Rev. 2012, GHS Rev 05, and ANSI Z400.1.

The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

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