



136 North Monroe Street  
Waterloo, WI 53594-1198  
Phone: (920) 478-3025  
Fax: (920) 478-2021  
www.waterloowi.us

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**PUBLIC NOTICE OF A COMMITTEE MEETING  
OF THE COMMON COUNCIL OF THE CITY OF WATERLOO**

Pursuant to Section 19.84 Wisconsin Statutes, notice is hereby given to the public & news media, that the following meeting will be held:

**COMMITTEE:** PUBLIC WORKS & PROPERTY COMMITTEE  
**DATE:** July 2, 2020  
**TIME:** 6:00 p.m.  
**LOCATION:** Municipal Building Council Chambers, 136 N. Monroe Street - in-person or optional remote participation available by phone or device

**REMOTE ACCESS DETAILS**

**1. Join by Device**

Meeting link: <https://attccasptrial2.webex.com/attccasptrial2/j.php?MTID=mb5bd29f7d2a50970b52ff3031d66eb05>  
Meeting number: 146 630 6957  
Password: 0702PubWorks (07027829 from phones)  
Host key: 864102

**2. Join by Phone**

1-844-531-0958 United States of America Toll Free  
Access code: 146 630 6957  
Password: 0702PubWorks (07027829 from phones)

1. CALL TO ORDER AND ROLL CALL
2. APPROVAL OF MEETING MINUTES
3. CITIZEN INPUT / PUBLIC COMMENT
4. 2019-2020 PROJECT/PROGRAM UPDATES (verbal)
5. UNFINISHED BUSINESS
  - a. Mayor's Tree Policy Research Relating To Tree Removal In Public Right-Of-Way And Private Access To Wood
  - b. Policy Review – Removal Of Sidewalk Snow On Dead-end Street
6. NEW BUSINESS
  - a. Review Of Herbicide, Pesticide And Insecticide Use
  - b. 2020 Budget considerations
    - i. § 53-14 Recommending updated multi-year capital improvement plan to Finance, Insurance & Personnel Committee
      1. Street surface maintenance program
      2. Street/Utility reconstruction plan
    - ii. Operational budget
      1. Programs & Services provided
7. FUTURE AGENDA ITEMS AND ANNOUNCEMENTS
  - a. Committee Calendar
8. ADJOURNMENT

*Mo Hansen*

Mo Hansen  
Clerk/Treasurer

\*\*\* Also on Council Agenda. See Council materials for documentation.  
Committee Members: Petts, Schoenwetter and Rhynes

posted, e-mailed & distributed: 06/25/2020

PLEASE NOTE: IT IS POSSIBLE THAT MEMBERS OF AND POSSIBLY A QUORUM OF MEMBERS OF OTHER GOVERNMENTAL BODIES OF THE MUNICIPALITY MAY BE IN ATTENDANCE AT THE ABOVE MEETING(S) TO GATHER INFORMATION. NO ACTION WILL BE TAKEN BY ANY GOVERNMENTAL BODY OTHER THAN THAT SPECIFICALLY NOTICED. ALSO, UPON REASONABLE NOTICE, EFFORTS WILL BE MADE TO ACCOMMODATE THE NEEDS OF DISABLED INDIVIDUALS THROUGH APPROPRIATE AIDS AND SERVICES. FOR ADDITIONAL INFORMATION OR TO REQUEST SUCH SERVICES PLEASE CONTACT THE CLERK'S OFFICE AT THE ABOVE LOCATION.

**CITY OF WATERLOO PUBLIC WORKS & PROPERTY COMMITTEE**  
**MEETING MINUTES: June 4, 2020**

1. CALL TO ORDER AND ROLL CALL. Committee Chair Petts called the regular meeting to order at 6:05 p.m. meeting remotely. Committee members present Petts, Schoenwetter and Rhynes. Absent: none. Others attending: Public Works Director Chad Yerges and Clerk/Treasurer Hansen.
2. APPROVAL OF MEETING MINUTES. MOTION: Moved by Rhynes, seconded by Schoenwetter to approve the May 7, 2020 meeting minutes. VOICE VOTE: Motion carried.
3. CITIZEN INPUT / PUBLIC COMMENT. None.
4. 2019-2020 PROJECT/PROGRAM UPDATES. DISCUSSION: Yerges said Rood Avenue is almost completed; Treyburn is waiting for School District fill for east side of Bluegrass Trail; and 2,000 more yards of fill is expected for the site. No action taken.
5. UNFINISHED BUSINESS. MOTION: Moved by Schoenwetter, seconded by Rhynes to table items 5a & 5b until the next meeting. VOICE VOTE: Motion carried.
  - a. Mayor's Tree Policy Research Relating To Tree Removal In Public Right-Of-Way And Private Access To Wood
  - b. Policy Review – Removal Of Sidewalk Snow On Dead-end Street
6. NEW BUSINESS
  - a. Start 2020 Budget Process. DISCUSSION: Yerges said he expected no changes to the operational budget; the mower would be purchased from the capital fund. No action taken.
  - b. Paving A Segment Of Schultz Street. DISCUSSION: Yerges described the alleyway next to MT Bar as gushing water and in need of paving repairs. He said he would take money out of the General Fund paving repairs budget. He said he was expecting two more bids. No formal action taken.
  - c. Tour Of Municipal Facilities. DISCUSSION: Rhynes and Petts suggested waiting until Fall. By consensus, the tour was delayed until Fall.
7. FUTURE AGENDA ITEMS AND ANNOUNCEMENTS
  - a. Petts brought to the Committee's attention a Valerie Deegan email asking for chemicals to not be sprayed on municipal property near the river on the 200 block of South Monroe Street for the benefit of pets and humans. Yerges said a broad leaf herbicide was applied with a notification flag left up for multiple days. In reply to a Petts question, Yerges said doing so made the green space look better. Petts asked Yerges to call Deegan. Petts spoke in favor of promoting pollinators and not spraying. The item was placed on the July agenda.
  - b. Committee Calendar. Noted.
8. ADJOURNMENT. MOTION: Moved by Schoenwetter, seconded by Rhynes to adjourn. The time was approximately 6:50 pm. Motion carried

*Mo Hansen*

Attest:

Mo Hansen

Clerk/Treasurer

Ordinance #2020-06  
Amending Chapter 332 Trees and Chapter 317 Solid Waste As They  
Relate To The Disposal Of Wood And Trees

[ presented in redline form for Committee and Council consideration ]

**CHAPTER 332 TREES IS AMENDED AS SHOWN IN RED.**

**[HISTORY: Adopted by the Common Council of the City of Waterloo 10-19-1987 by Ord. No. 87-6 as §§ 8.14 and 8.20 of the 1987 Code. Amendments noted where applicable.]**

**§ 332-1 Committee responsible for trees.  
[Amended 2-15-2007 by Ord. No. 2007-03]**

The Public Works and Property Committee shall, subject to the supervision and control of the Council, and except as herein provided, have jurisdiction and direction over all trees planted and growing in and upon City-owned property; that part of every street, the grade of which has been established, lying between the lot line and the curb; and trees on any property which may in any way have effect upon public property and upon the public welfare of the City, and for the planting, care, maintenance, protection and removal thereof. The Committee may make such rules and regulations as it may deem advisable for carrying out the purpose of this chapter.

**§ 332-2 Tree trimming.  
[Amended 2-15-2007 by Ord. No. 2007-03]**

Trees standing in and upon any public street or place, or upon any lot or land adjacent thereto, and having branches projecting into the public street or place shall, under the supervision of the Committee, be kept trimmed by the owner or owners or occupants of the property on or in front of which such trees are growing so that the lowest branches projecting over the public street or alley will provide a clearance of not less than 14 feet and over all other places not less than nine feet from the ground. This provision shall not apply to newly planted trees, provided that they do not interfere with persons upon the public street or place or obstruct the light of any streetlight. Any tree or trees not trimmed, as herein provided, shall be deemed hazardous.

Wood disposal. Any wood from trees growing on City property, including tree lawns, which are designated by the City Forester to be cut and removed, shall be the property of the City and shall be disposed of appropriately or stacked and stored for the purpose of resale to the highest bidder.

**§ 332-3 Tree planting.**

- A. Permit required. No trees, except the types recommended by the Committee, shall be planted in or upon any public street or place. Trees shall be planted only after a written permit has been received from the Committee, which permit shall state the name of the applicant, his address, the property on which the trees are to be planted, and the type to be planted. The trees shall be planted in such manner that they shall be equidistant between the curblines and the sidewalk. The distance between the trees shall not be less than 35 feet.
- B. Trees on newly opened streets. On newly opened streets, the Tree Committee shall have the authority to designate the types of trees and the manner in which they shall be planted and such other shrubs and

bushes as the Committee shall approve.

- C. Trees planted in the public right-of-way shall be planted no closer than 40 feet to the nearest intersection or 10 feet to any driveway opening, buried cable or other utility. No permit will be issued if the tree lawn, defined as the public right-of-way between a public street and a public sidewalk, is less than six feet wide. Similarly, no permit will be issued for the planting of a tree beneath utility lines. [**Added 2-20-2014 by Ord. No. 2014-02**]

**§ 332-4 Removal of trees and stumps; replacement of trees.**

- A. All dead, hazardous and infected trees in the public right-of-way will be removed by the City at the expense of the City. All other trees in the public right-of-way shall be removed at the expense of the owner of the abutting property. If trees are removed by the owner of the abutting property, he shall cause all stumps to be removed and the area cleaned of all branches, leaves and other debris. If such is not done in a manner satisfactory to the Tree Committee, the Committee may order the Director of Public Works to do so and may charge the expense to the abutting property, pursuant to § 66.0627, Wis. Stats.
- B. If a tree is removed from a tree lawn less than six feet wide, a tree will be provided by the City at 50% of the municipal cost to property owners and will be planted on the property owner's front lawn, providing that the Public Works Director determines that the property has sufficient front yard space to accommodate a tree. All municipally provided trees shall become the full responsibility of the property owner. [**Added 2-20-2014 by Ord. No. 2014-02**]

**§ 332-5 Trespass on private land.**

This chapter shall not give the Tree Committee authority to trespass on private land without the consent of the owner.

**§ 332-6 Violations and penalties.**

The penalty for violation of any provision of this chapter shall be a penalty as provided in Chapter 1, § 1-4 of this Code. A separate offense shall be deemed committed on each day on which a violation of this chapter occurs or continues.

**CHAPTER 317 SOLID WASTE IS AMENDED AS SHOWN IN RED.**

Chapter 317 **Solid Waste**  
(§ 317-22)

**§ 317-22 Management of lead-acid batteries, major appliances, waste oil, grease, waste tires and yard waste.**

Persons enrolled in the City-provided program shall dispose of these items as follows:

- A. Lead-acid batteries shall be placed at curbside, separated from solid waste, for collection by the City's contractor. Car, truck and other automotive batteries only shall be accepted. Battery casings must be unbroken.
- B. Major appliances shall be placed at curbside, separated from solid waste, for collection by the City's contractor. Appliances shall be upright and empty and doors removed from refrigerators and freezers. Residents must make arrangements with the City's contractor for collection of all appliances. Those not

enrolled in the City-provided program must arrange for private collections through a qualified scrap metal hauler.

- C. Waste oil shall be placed at curbside and separated from solid waste. Common engine oil only shall be accepted. No antifreeze or hazardous material shall be accepted. The waste oil must be in leakproof, nonbreakable containers of one-gallon maximum size.
- D. Cooking grease from residential properties enrolled in the program shall be placed at the curbside in a sealed container in a solid or liquid form. Alternately, grease in liquid form can be disposed of after being absorbed into wood shavings, cat litter or a similar absorbing compound and presented for pickup in a sealed container.
- E. Waste tires from automobiles and light trucks, separated from the rim, shall be placed at the curbside and separated from solid waste for collection by the City's contractor.
- F. Disposal of yard wastes.
  - (1) No yard wastes shall be disposed of through regular City refuse collection.
  - (2) It shall be the responsibility of every City resident and property owner to take steps to dispose of their accumulated yard wastes through on-site use, ~~recycling~~ composting or through other lawful means. The City shall provide a yard waste drop-off location designated by the Public Works Director for the purposes of recycling and composting. Grass clippings, leaves, and leafy materials may be transported to the yard waste disposal site by City residents and deposited in the designated areas. ~~Clean brush and woody vegetation may not be taken to the drop-off site.~~ Branches, branch clippings and brush may be transported to the yard waste disposal point by City residents and deposited in the designated area. Broken concrete materials, rocks, and blacktop materials, not to exceed one cubic yard in aggregate, may be transported by City residents and deposited in the designated area. The drop-off location shall be open to use by the public during hours established by the Public Works Director.
  - (3) The Director of Public Works is authorized to conduct special curbside collections of yard wastes at such times of the year as determined by the Director of Public Works.
  - (4) Only items which are readily compostable shall be placed into areas designated for yard wastes as defined herein.
  - (5) Waste tires from automobiles and light trucks, separated from the rim, shall be placed at the curbside and separated from solid waste for collection by the City's contractor.



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**RESOLUTION #2020-xx**

**Updating The Exemption Of Certain Sidewalks From Snow/Ice Clearing Requirements**

WHEREAS, the Public Works & Property Committee as reviewed and updated 2018 exemptions and is recommending to the City Council exempting certain sidewalks from snow and ice clearing as required by §324-6 of the municipal code, with said sidewalk defined as segments on the accompanying map renderings (marked in orange) and listed as follows:

- Bluegrass Trail at Goehl Road
- Derby at Lexington Way
- Daniel Drive at McKay Way
- Gene Drive at McKay Way
- Julia Drive at McKay Way
- Streator Lane at Bradford
- South side of West Madison Street from Van Buren Street to rail bridge
- Parcel #290-0813-0644-085 Outlot 1, CSM 5708-32-127, running along the Maunesha River, adjacent to 333 West Madison Street

THEREFORE, BE IT RESOLVED, that the City Council reaffirms the Committee recommendation designating the sidewalk areas defined above as exempt from snow and ice clearing as required by §324-6 of the municipal code.

PASSED AND ADOPTED this \_\_\_ day of \_\_\_\_\_, 2020.

City of Waterloo

Signed: \_\_\_\_\_  
Jenifer Quimby  
Mayor

Attest:

\_\_\_\_\_  
Mo Hansen  
City Clerk/Treasurer

Fiscal Note: none.



# MONSANTO COMPANY

## Safety Data Sheet Commercial Product

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

##### Roundup PowerMAX® Herbicide

##### 1.1.1. Chemical name

Not applicable.

##### 1.1.2. Synonyms

None.

##### 1.1.3. EPA Reg. No.

524-549

#### 1.2. Product use

Herbicide

#### 1.3. Company

MONSANTO COMPANY, 800 N. Lindbergh Blvd., St. Louis, MO, 63167

**Telephone:** 800-332-3111, **Fax:** 314-694-5557

**E-mail:** safety.datasheet@monsanto.com

#### 1.4. Emergency numbers

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC - Day or Night: 1-800-424-9300 toll free in the continental U.S., Puerto Rico, Canada, or Virgin Islands. For calls originating elsewhere: 703-527-3887 (collect calls accepted).  
FOR MEDICAL EMERGENCY - Day or Night: +1 (314) 694-4000 (collect calls accepted).

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification

OSHA Hazard Communication Standard, 29 CFR 1910.1200 (2012)

Acute toxicity, inhalation - Category 4

#### 2.2. Label elements

##### 2.2.1. Signal word

WARNING!

##### 2.2.2. Hazard pictogram/pictograms



##### 2.2.3. Hazard statement/statements

Harmful if inhaled.

##### 2.2.4. Precautionary statement/statements

Do not breathe mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

### 2.3. Appearance and odour (colour/form/odour)

Pale amber-Pale brown /Liquid / Odourless

### 2.4. OSHA Status

This product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Refer to section 11 for toxicological and section 12 for environmental information.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Active ingredient

Potassium salt of N-(phosphonomethyl)glycine; {Potassium salt of glyphosate}

### Composition

COMPONENT	CAS No.	% by weight (approximate)
Potassium salt of glyphosate	70901-12-1	48.7
Other ingredients		51.3

The specific chemical identity is being withheld because it is trade secret information of Monsanto Company.

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## 4. FIRST AID MEASURES

Use personal protection recommended in section 8.

### 4.1. Description of first aid measures

- 4.1.1. **Eye contact:** If in eyes, hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
- 4.1.2. **Skin contact:** 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.
- 4.1.3. **Inhalation:** If inhaled, move person to fresh air. If person is not breathing, call emergency number or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- 4.1.4. **Ingestion:** Call 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 center or doctor. Do not give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

- 4.2.1. **Eye contact, short term:** May cause temporary eye irritation.
- 4.2.2. **Skin contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.
- 4.2.3. **Inhalation, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

### 4.3. Indication of any immediate medical attention and special treatment needed

- 4.3.1. **Advice to doctors:** This product is not an inhibitor of cholinesterase.
- 4.3.2. **Antidote:** Treatment with atropine and oximes is not indicated.

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## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**5.1.1. Recommended:** Water, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)

### 5.2. Special hazards

#### 5.2.1. Unusual fire and explosion hazards

Minimise use of water to prevent environmental contamination.

Environmental precautions: see section 6.

#### 5.2.2. Hazardous products of combustion

Carbon monoxide (CO), phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), nitrogen oxides (NO<sub>x</sub>)

**5.3. Fire fighting equipment:** Self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

### 5.4. Flash point

Does not flash.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Environmental precautions

Minimise spread.

Contain spillage with sand bags or other means.

Keep out of drains, sewers, ditches and water ways.

### 6.2. Methods for cleaning up

SMALL QUANTITIES:

Flush spill area with water.

LARGE QUANTITIES:

Absorb in earth, sand or absorbent material.

Dig up heavily contaminated soil.

Collect in containers for disposal.

Refer to section 7 for types of containers.

Flush residues with small quantities of water.

Minimise use of water to prevent environmental contamination.

Refer to section 13 for disposal of spilled material.

Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

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## 7. HANDLING AND STORAGE

Good industrial practice in housekeeping and personal hygiene should be followed.

### 7.1. Precautions for safe handling

Avoid contact with eyes, skin and clothing. When using do not eat, drink or smoke. Wash hands thoroughly after handling or contact. Do not contaminate drains, sewers and water ways when disposing of equipment rinse water. Thoroughly clean equipment after use. Refer to section 13 of the safety data sheet for disposal of rinse water. Wash contaminated clothing before re-use.

### 7.2. Conditions for safe storage

Minimum storage temperature: -15 °C

Maximum storage temperature: 50 °C

**Compatible materials for storage:** stainless steel, fibreglass, plastic, glass lining

**Incompatible materials for storage:** galvanised steel, unlined mild steel, see section 10.  
Keep out of reach of children.  
Keep away from food, drink and animal feed.  
Keep only in the original container.  
Partial crystallization may occur on prolonged storage below the minimum storage temperature.  
If frozen, place in warm room and shake frequently to put back into solution.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Airborne exposure limits

Components	Exposure Guidelines
Potassium salt of glyphosate	No specific occupational exposure limit has been established.
Other ingredients	No specific occupational exposure limit has been established.

**8.2. Engineering controls:** No special requirement when used as recommended.

### 8.3. Recommendations for personal protective equipment

**8.3.1. Eye protection:** If there is significant potential for contact: Wear chemical goggles.

**8.3.2. Skin protection:** Wear chemical resistant gloves. If there is significant potential for contact: Wear face shield. Wear chemical resistant clothing/footwear. Applicators and other handlers must wear: Wear long sleeved shirt, long pants and shoes with socks. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment. If no such instructions for washables, use detergent and hot water.

**8.3.3. Respiratory protection:** No special requirement when used as recommended.

When recommended, consult manufacturer of personal protective equipment for the appropriate type of equipment for a given application.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Colour/colour range:	Pale amber - Pale brown
Odour:	Odourless
Form:	Liquid
Physical form changes (melting, boiling, etc.):	
Melting point:	No data.
Boiling point:	No data.
Flash point:	Does not flash.
Explosive properties:	No data.
Auto ignition temperature:	No data.
Self-accelerating decomposition temperature (SADT):	No data.
Oxidizing properties:	No data.
Specific gravity:	1.3565 @ 20 °C / 15.6 °C
Vapour pressure:	No significant volatility; aqueous solution.
Vapour density:	Not applicable.
Evaporation rate:	No data.

Dynamic viscosity:	Not applicable.
Kinematic viscosity:	No data.
Density:	1.3565 g/cm <sup>3</sup> @ 20 °C
Solubility:	Water: Completely miscible.
pH:	4.3 - 4.8
Partition coefficient:	log Pow: -3.2 @ 25 °C (glyphosate)

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

### 10.2. Stability

Stable under normal conditions of handling and storage.

### 10.3. Possibility of hazardous reactions

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

### 10.4. Incompatible materials

galvanised steel; unlined mild steel; see section 10.;

Compatible materials for storage: see section 7.2.

### 10.5. Hazardous decomposition

Thermal decomposition: Hazardous products of combustion: see section 5.

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## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and other health professionals.

**Likely routes of exposure:** Skin contact, eye contact, inhalation

### Potential health effects

**Eye contact, short term:** May cause temporary eye irritation.

**Skin contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Inhalation, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

Data obtained on similar products and on components are summarized below.

### Similar formulation

#### Acute oral toxicity

**Rat, LD50:** > 5,000 mg/kg body weight

Practically non-toxic.

#### Acute dermal toxicity

**Rat, LD50:** > 5,000 mg/kg body weight

Practically non-toxic.

#### Acute inhalation toxicity

**Rat, LC50, 4 hours, aerosol:**

Practically non-toxic. No 4-hr LC50 at the maximum tested concentration. For purposes of the inhalation test, product was artificially aerosolized. Since this material will not become aerosolized to a hazardous concentration during transport, it is classified as non-hazardous under the transportation regulations in accordance with 2.6.2.2.4.7(b) and (c) of the UN Recommendations on the Transport of Dangerous Goods.

**Skin sensitization**

**Guinea pig, 3-induction Buehler test:**

Positive incidence: 0 %

**Similar formulation**

**Skin irritation**

**Rabbit, 3 animals, OECD 404 test:**

Days to heal: 7

Primary Irritation Index (PII): 1.9/8.0

Slight irritation.

**Eye irritation**

**Rabbit, 3 animals, OECD 405 test:**

Days to heal: 10

Moderate irritation.

**N-(phosphonomethyl)glycine; { glyphosate acid}**

**Genotoxicity**

Not genotoxic.

**Carcinogenicity**

Not carcinogenic in rats or mice. Listed as Category 2A by the International Agency for Research on Cancer (IARC) but our expert opinion is that classification as a carcinogen is not warranted.

**Reproductive/Developmental Toxicity**

Developmental effects in rats and rabbits only in the presence of significant maternal toxicity.

Reproductive effects in rats only in the presence of significant maternal toxicity.

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## 12. ECOLOGICAL INFORMATION

This section is intended for use by ecotoxicologists and other environmental specialists.

Data obtained on similar products and on components are summarized below.

**Similar formulation**

**Aquatic toxicity, fish**

**Bluegill sunfish (*Lepomis macrochirus*):**

Acute toxicity, 96 hours, static, LC50: 5.2 mg/L

Moderately toxic.

**Common carp (*Cyprinus carpio*):**

Acute toxicity, 96 hours, static, LC50: 4.0 mg/L

Moderately toxic.

**Aquatic toxicity, invertebrates**

**Water flea (*Daphnia magna*):**

Acute toxicity, 48 hours, static, EC50: 8.0 mg/L

Moderately toxic.

### Similar formulation

#### Aquatic toxicity, algae/aquatic plants

##### **Green algae (*Selenastrum capricornutum*):**

Acute toxicity, 72 hours, static, EC50: 0.46 mg/L  
Highly toxic.

#### Arthropod toxicity

##### **Honey bee (*Apis mellifera*):**

Oral, 48 hours, LD50: > 281 µg/bee  
Practically non-toxic.

##### **Honey bee (*Apis mellifera*):**

Contact, 48 hours, LD50: > 273 µg/bee  
Practically non-toxic.

#### Soil organism toxicity, invertebrates

##### **Earthworm (*Eisenia foetida*):**

Acute toxicity, 14 days, LC50: > 10,000 mg/kg dry soil  
Practically non-toxic.

#### Soil organism toxicity, microorganisms

##### **Nitrogen and carbon transformation test:**

29.5 kg/ha, 28 days: Less than 25% effect on nitrogen or carbon transformation processes in soil.

### N-(phosphonomethyl)glycine; { glyphosate acid}

#### Avian toxicity

##### **Bobwhite quail (*Colinus virginianus*):**

Acute oral toxicity, single dose, LD50: > 3,851 mg/kg body weight  
Practically non-toxic.

#### Bioaccumulation

##### **Bluegill sunfish (*Lepomis macrochirus*):**

Whole fish: BCF: < 1  
No significant bioaccumulation is expected.

#### Dissipation

##### **Soil, field:**

Half life: 2 - 174 days  
Koc: 884 - 60,000 L/kg  
Adsorbs strongly to soil.

##### **Water, aerobic:**

Half life: < 7 days

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## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product

Keep out of drains, sewers, ditches and water ways. Recycle if appropriate facilities/equipment available. Burn in proper incinerator. Follow all local/regional/national/international regulations.

#### 13.1.2. Container

See the individual container label for disposal information. Emptied containers retain vapour and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Empty packaging completely. Triple or pressure rinse empty containers. Do NOT contaminate water when disposing of rinse waters. Ensure packaging cannot be reused. Do NOT reuse containers. Store for collection by approved waste disposal service. Recycle if appropriate facilities/equipment available. Follow all local/regional/national/international regulations.

Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

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## 14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

### 14.1. US Dept. of Transportation (DOT) Hazardous Materials Regulations (49 CFR Parts 105-180)

Proper Shipping Name (Technical Name if required):	Not regulated for domestic ground transportation. ()
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### 14.2. IMDG Code

Proper Shipping Name (Technical Name if required):	Not regulated for transport under IMO Regulations ()
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### 14.3. IATA/ICAO

Proper Shipping Name (Technical Name if required):	Not regulated for transport under IATA/ICAO Regulations ()
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## 15. REGULATORY INFORMATION

### 15.1. Environmental Protection Agency

#### 15.1.1. TSCA Inventory Exempt

#### 15.1.2. SARA Title III Rules

Section 311/312 Hazard Categories: Immediate  
Section 302 Extremely Hazardous Substances: Not applicable.  
Section 313 Toxic Chemical(s): Not applicable.

#### 15.1.3. CERCLA Reportable quantity

Not applicable.

#### 15.1.4. Federal Insecticide, Fungicide, Rodenticide Act (FIFRA)

This chemical is a pesticide product regulated by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**CAUTION!**  
**CAUSES MODERATE EYE IRRITATION**

Acute oral toxicity: FIFRA category IV.  
Acute dermal toxicity: FIFRA category IV.  
Acute inhalation toxicity: FIFRA category IV.

Skin irritation: FIFRA category IV.  
Eye irritation: FIFRA category III.

## 16. OTHER INFORMATION

The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

Follow all local/regional/national/international regulations.

Please consult supplier if further information is needed.

In this document the British spelling was applied.

|| Significant changes versus previous edition.

	Health	Flammability	Instability	Additional Markings
NFPA	1	1	1	

0 = Minimal hazard, 1 = Slight hazard, 2 = Moderate hazard, 3 = Severe hazard, 4 = Extreme hazard

Full denomination of most frequently used acronyms. BCF (Bioconcentration Factor), BOD (Biochemical Oxygen Demand), COD (Chemical Oxygen Demand), EC50 (50% effect concentration), ED50 (50% effect dose), I.M. (intramuscular), I.P. (intraperitoneal), I.V. (intravenous), Koc (Soil adsorption coefficient), LC50 (50% lethality concentration), LD50 (50% lethality dose), LDLo (Lower limit of lethal dosage), LEL (Lower Explosion Limit), LOAEC (Lowest Observed Adverse Effect Concentration), LOAEL (Lowest Observed Adverse Effect Level), LOEC (Lowest Observed Effect Concentration), LOEL (Lowest Observed Effect Level), MEL (Maximum Exposure limit), MTD (Maximum Tolerated Dose), NOAEC (No Observed Adverse Effect Concentration), NOAEL (No Observed Adverse Effect Level), NOEC (No Observed Effect Concentration), NOEL (No Observed Effect Level), OEL (Occupational Exposure Limit), PEL (Permissible Exposure Limit), PII (Primary Irritation Index), Pow (Partition coefficient n-octanol/water), S.C. (subcutaneous), STEL (Short-Term Exposure Limit), STOT SE (Specific Target Organ Toxicity, Single Exposure), STOT RE (Specific Target Organ Toxicity, Repeated Exposure), TLV-C (Threshold Limit Value-Ceiling), TLV-TWA (Threshold Limit Value - Time Weighted Average), UEL (Upper Explosion Limit)

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, MONSANTO Company or any of its subsidiaries makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for the purposes prior to use. In no event will MONSANTO Company or any of its subsidiaries be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR TO THE PRODUCT TO WHICH INFORMATION REFERS.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Amine 400 2,4-D Weed Killer

**Other means of identification**

**Product Code** PBI FP 814-1

**EPA Pesticide Registration Number** 2217-2

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Herbicide.

**Uses advised against** No information available.

**Details of the supplier of the safety data sheet**

**Supplier**

PBI Gordon Corporation  
1217 West 12th Street  
Kansas City, MO 64101

**Manufacturer**

PBI Gordon Corporation  
1217 West 12th Street  
Kansas City, MO 64101

**Company Name**

PBI Gordon Corporation  
1217 West 12th Street  
Kansas City, MO 64101

**Emergency telephone number**

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Oral Toxicity	Category 4
Serious eye damage/eye irritation	Category 1
Skin Sensitization	Category 1
Chronic Aquatic Toxicity	Category 2
Flammable liquids	Category 3

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if swallowed. Causes serious eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Flammable liquid and vapor.



**Appearance** Liquid

**Physical state** Liquid

**Odor** Amines

**Precautionary Statements - Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Avoid release to the environment
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed

#### Precautionary Statements - Response

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction
- Collect spillage

#### Precautionary Statements - Storage

- Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

The low flash point of this product is due to a minor component in the mixture. Based on independent laboratory testing of similar products, this product would not sustain combustion as specified in DOT Regulation 49 CFR 173 Appendix H; however OSHA HCS 2012 flammable classifications are solely based on tested mixture flash points and boiling points.

#### Other Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS. Number	Weight %
2,4-D, dimethylamine salt	2008-39-1	46.47

\* The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically. May cause sensitization of susceptible persons.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray (fog).

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharges. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible materials** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2,4-D, dimethylamine salt 2008-39-1	TWA: 10 mg/m <sup>3</sup> inhalable fraction S*	TWA: 10 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> , TWA: 10 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Local and General Ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** Wear protective gloves and protective clothing. Wear long-sleeved shirt, long pants, socks and shoes.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Amines
<b>Appearance</b>	Liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Brown		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	7.5-8.5		
Melting point/freezing point	<35 °F		
Boiling point / boiling range	101 °C / 214 °F		
Flash point	52 °C / 125 °F	Pensky-Martens Closed Cup (PMCC)	
Evaporation rate	< 1		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	<17 mm Hg		
Vapor density	>1		

<b>Specific Gravity</b>	1.16
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Oxidizing properties</b>	No information available

**Other Information**

**Density** 9.62 pounds/gallon

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization**

Will not occur.

**Conditions to avoid**

Keep from freezing.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Inhalation** Irritant, moderate respiratory.

**Eye contact** Corrosive to eyes.

**Skin Contact** Moderate skin irritation.

**Ingestion** May cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,4-D, dimethylamine salt 2008-39-1	= 625 mg/kg ( Rat )	= 2115 mg/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in

its Group 2B (limited evidence for Carcinogenicity in humans.) The US EPA has given the chlorophenoxy Herbicides 2,4-D, 2,4-DP, MCPP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2,4-D, dimethylamine salt 2008-39-1		Group 2B		

**IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects. Repeated contact may cause allergic reactions in very susceptible persons.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	1076 mg/kg
<b>ATEmix (dermal)</b>	17865 mg/kg
<b>ATEmix (inhalation-gas)</b>	80165 mg/L
<b>ATEmix (inhalation-dust/mist)</b>	6.9 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container, unless specified by the manufacturer.
<b>US EPA Waste Number</b>	U240 D001 See Section 2: Hazards not otherwise classified (HNOC)

**14. TRANSPORT INFORMATION**

**DOT**

**Proper shipping name** For package sizes less than 22.37 gallons: product is non-regulated.

**Description** For package sizes 22.37 gallons or greater: UN3082, Environmentally Hazardous Substances, Liquid, N.O.S., 9, PGIII, RQ (2,4-D)  
 The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

PESTICIDES, NOI, INCLUDING DEFOLIANTS, FUNGICIDES, HERBICIDES, OR INSECTICIDES NMFC 155050-6

If shipped in bulk containers (greater than 119 gallons), this product is a Marine Pollutant.

When shipped as a Hazardous Material, label required is Class 9 (Miscellaneous). Placards required on bulk shipments only.

**15. REGULATORY INFORMATION**

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** 2217-2

**Federal Insecticide, Fungicide, Rodenticide Act Regulations**

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 Pesticide Label**

Danger. Keep out of the reach of children. Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin.

**International Inventories**

**TSCA** Not Listed  
**DSL/NDSL** Not Listed  
**EINECS/ELINCS** Not Listed  
**ENCS** Not Listed  
**IECSC** Listed  
**KECL** Not Listed  
**PICCS** Listed  
**AICS** Listed

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
2,4-D, dimethylamine salt				X			X		X	X

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
2,4-D, dimethylamine salt 2008-39-1	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**US State Regulations**

**U.S. State Right-to-Know Regulations**

**International Regulations**

Mexico - Grade Moderate risk, Grade 2

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 3	Flammability 1	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection X

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of PBI Gordon Corporation's knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text. PBI GORDON CORPORATION MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. PBI Gordon Corporation assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

End of Safety Data Sheet

City of Waterloo, Wisconsin

*Capital Improvement Plan*

2021 thru 2025

**PROJECTS BY DEPARTMENT**

<b>Department</b>	<b>Project #</b>	<b>Priority</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>Total</b>
<b>Public Works</b>								
Equipment carry over reserve, DPW 400010	400010	3	50,000	50,000	50,000	50,000		200,000
Asphalt Resurfacing (multiple)	400014	3	10,000					10,000
Adams St Reconstruct	dpw-04	1	391,488					391,488
2022 Rd Project (Hendricks in 2020 w/ grant)	dpw-05	1		650,000				650,000
2023 Road Project TBD	dpw-06	1			650,000			650,000
2024 Road Project TBD	dpw-07	1				650,000		650,000
<b>Public Works Total</b>			<b>451,488</b>	<b>700,000</b>	<b>700,000</b>	<b>700,000</b>		<b>2,551,488</b>
<b>GRAND TOTAL</b>			<b>451,488</b>	<b>700,000</b>	<b>700,000</b>	<b>700,000</b>		<b>2,551,488</b>

**City of Waterloo, Wisconsin**  
**PRELIMINARY ESTIMATE OF COST**  
**Adams Street Improvements**  
 June 11, 2020



Reconstruction from East Madison Street to East Polk Street. To include installation of sanitary sewer main, structures and laterals; water main, appurtances and services; storm sewer main, structures and laterals; replacement of concrete curb and gutter, sidewalk, driveway approaches, curb ramps; placement of road base and asphalt pavement; restoration of distrubed areas.

**Estimated Sanitary Sewer Quantities**

Quantity	Unit	Item	Unit Cost	Item Cost
900	LF	Sanitary Sewer Main, 8-Inch PVC	\$55.00	\$49,500.00
4	EA	Sanitary Sewer Manhole	\$3,500.00	\$14,000.00
1,500	LF	Sanitary Sewer Underdrain and Lateral, 6-Inch PVC	\$45.00	\$67,500.00
1,200	LF	Granular Backfill, Sanitary Sewer	\$12.00	\$14,400.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
Engineering and Contingencies				\$19,545.50
<b>Total Sanitary Sewer Construction Cost</b>				<b>\$169,895.50</b>

**Estimated Water Quantities**

Quantity	Unit	Item	Unit Cost	Item Cost
1,150	LF	Water Main, 8-Inch DI	\$65.00	\$74,750.00
5	EA	Gate Valve and Box, 8-Inch	\$2,000.00	\$10,000.00
3	EA	Hydrant Assembly and Lead	\$5,500.00	\$16,500.00
500	LF	Water Service Pipe, 1-Inch Copper	\$45.00	\$22,500.00
4	EA	Connect to Existing Water Main	\$2,000.00	\$8,000.00
1,500	LF	Granular Backfill, Water Main	\$12.00	\$18,000.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
Engineering and Contingencies				\$20,111.00
<b>Total Water Construction Cost</b>				<b>\$174,811.00</b>

**City of Waterloo, Wisconsin**  
**PRELIMINARY ESTIMATE OF COST**  
**Adams Street Improvements**  
June 11, 2020



Reconstruction from East Madison Street to East Polk Street. To include installation of sanitary sewer main, structures and laterals; water main, appurtances and services; storm sewer main, structures and laterals; replacement of concrete curb and gutter, sidewalk, driveway approaches, curb ramps; placement of road base and asphalt pavement; restoration of distrubed areas.

**Estimated Storm Sewer and Roadway Quantities**

Quantity	Unit	Item	Unit Cost	Item Cost
600	LF	Storm Sewer Main, 15-Inch RCP	\$55.00	\$33,000.00
400	LF	Storm Sewer Main and Leads, 12-Inch RCP	\$50.00	\$20,000.00
300	LF	Storm Sewer Lateral, 6-Inch PVC	\$45.00	\$13,500.00
9	EA	Storm Sewer Catch Basin	\$2,000.00	\$18,000.00
4	EA	Storm Sewer Manhole	\$2,500.00	\$10,000.00
1300	LF	Granular Backfill, Storm Sewer	\$12.00	\$15,600.00
2000	LF	Concrete Curb and Gutter, 30-Inch	\$14.00	\$28,000.00
2500	SF	Concrete Driveway Approach, 6-Inch	\$5.00	\$12,500.00
6500	SF	Concrete Sidewalk, 4-Inch	\$4.00	\$26,000.00
8	EA	Detectable Warning Field	\$300.00	\$2,400.00
1	LS	Unclassified Excavation	\$35,000.00	\$35,000.00
750	CY	Undercutting and Base Course Material	\$30.00	\$22,500.00
300	TN	Aggregate Base Dense, 1-1/4-Inch	\$15.00	\$4,500.00
2000	SY	Geotextile Fabric	\$2.50	\$5,000.00
900	TN	Hot Mix Asphalt Pavement,	\$75.00	\$67,500.00
3500	SY	Topsoil, Seed, Fertilizer and Mulch	\$8.00	\$28,000.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
Engineering & Contingencies				\$45,038.50
<b>Total Storm Sewer and Roadway Construction Cost</b>				<b>\$391,488.50</b>

**Summary of Cost**

Estimated Construction Cost	\$651,500.00
Engineering and Contingencies	\$84,695.00
<b>Total Estimated Project Cost</b>	<b>\$736,195.00</b>

## City of Waterloo Public Works & Property Committee Annual Calendar

- Meeting night: 1<sup>st</sup> Thursday of month at 6:00 pm
- Monthly recurring: (1) review of Capital Projects; (2) monitor defined Progress Measures

JANUARY
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
FEBRUARY
<input type="checkbox"/> Notify Mayor of reappointment interest
MARCH
<input type="checkbox"/> Identify grant application opportunities
APRIL
<input type="checkbox"/> Mayoral Committee appointments
MAY
<input type="checkbox"/> Review and realign Progress Measures as needed tying back to Comprehensive Plan
<input type="checkbox"/> Update annual calendar
<input type="checkbox"/> Tour of municipal facilities
JUNE
<input type="checkbox"/> Mayor's 2020 Budget start date.
JULY
<input type="checkbox"/> Traditional beginning of budget consideration with budget memo to department heads.
<input type="checkbox"/> § 53-14 Recommending updated multi-year capital improvement plan to Finance, Insurance & Personnel Committee
<input type="checkbox"/> Review DPW future year budget submittal
- Operational budget
<input checked="" type="checkbox"/> Programs & Services provided
- Capital Budget
<input checked="" type="checkbox"/> Street surface maintenance program
<input checked="" type="checkbox"/> Street/Utility reconstruction plan
AUGUST
<input type="checkbox"/> PASER review ( <u>P</u> avement <u>S</u> urface <u>E</u> valuation & <u>R</u> ating) – A 1-10 rating system for road pavement condition using visual inspection to evaluate pavement surface conditions
SEPTEMBER
<input type="checkbox"/> Review of municipal facility needs (multi-year)
OCTOBER
<input type="checkbox"/> Evaluating the municipal solid waste management system; trash-recycling service performance & contract
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Review of municipal facility needs (multi-year)
NOVEMBER
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Review of municipal facility needs (multi-year)
<input type="checkbox"/> Review of City Forestry Plan
DECEMBER
<input type="checkbox"/> Oversight of bid process for future year capital purchases & contract services
<input type="checkbox"/> Impact fee needs assessment update based on prior months review
<input type="checkbox"/> Review of municipal facility needs (multi-year)

## NOTES FROM MUNICIPAL CODE

### § 53-14 Capital improvement program policy.

Policy. The City will make all capital improvements in accordance with an adopted capital improvement program. The City will develop a five-year plan for capital improvements and update it annually.

C. Procedure. The City of Waterloo Finance, Insurance and Personnel Committee or its designee shall, prior to each annual budget process, submit a capital improvement plan consisting of a project description, estimated costs and probable funding sources to the Council for its consideration. The Council shall act on the recommendations in a timely manner.

### § 332-1 Committee responsible for trees.

The Public Works and Property Committee shall, subject to the supervision and control of the Council, and except as herein provided, have jurisdiction and direction over all trees planted and growing in and upon City-owned property; that part of every street, the grade of which has been established, lying between the lot line and the curb; and trees on any property which may in any way have effect upon public property and upon the public welfare of the City, and for the planting, care, maintenance, protection and removal thereof. The Committee may make such rules and regulations as it may deem advisable for carrying out the purpose of this chapter.

### § 332-4 Removal of trees and stumps; replacement of trees.

A. All dead, hazardous and infected trees in the public right-of-way will be removed by the City at the expense of the City. All other trees in the public right-of-way shall be removed at the expense of the owner of the abutting property. If trees are removed by the owner of the abutting property, he shall cause all stumps to be removed and the area cleaned of all branches, leaves and other debris. If such is not done in a manner satisfactory to the Tree Committee, the Committee may order the Director of Public Works to do so and may charge the expense to the abutting property, pursuant to § 66.0627, Wis. Stats.

B. If a tree is removed from a tree lawn less than six feet wide, a tree will be provided by the City at 50% of the municipal cost to property owners and will be planted on the property owner's front lawn, providing that the Public Works Director determines that the property has sufficient front yard space to accommodate a tree. All municipally provided trees shall become the full responsibility of the property owner.

[Added 2-20-2014 by Ord. No. 2014-02]