

Excellent Elements LLC
Brand: PuraMinz

SAFETY DATA SHEET Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name	Oxalic Acid, Dihydrate
Chemical name	Oxalic Acid, Dihydrate
Synonyms; trade names	Ethanedioic acid dihydrate
CAS number	6153-56-6

Recommended use of the chemical and restrictions on use

Application	THIS PRODUCT IS NOT INTENDED FOR USE IN PESTICIDES
Uses advised against	No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier	Excellent Elements LLC , Brand owner of PuraMinz 7050 Dexter Ann Arbor Rd Dexter, MI 48130 Phone: 313 889-2920
----------	---

Emergency telephone number

Emergency telephone	(ChemTel) +1-800 255-3924; INTL +1- 813 248-0585
---------------------	--

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status	This Product is Hazardous under the OSHA Hazard Communication Standard.
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Eye Dam. 1 - H318
Environmental hazards	Not Classified

Label elements

Hazard symbols



Signal word

Danger

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Hazard statements	H302 Harmful if swallowed. H318 Causes serious eye damage.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a poison center/ doctor. P330 Rinse mouth. P501 Dispose of contents/ container in accordance with national regulations.

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

Substances

Product name	Oxalic Acid, Dihydrate
Chemical name	Oxalic Acid, Dihydrate
CAS number	6153-56-6
Chemical formula	C ₂ H ₂ O ₄ ·2H ₂ O

4. First-aid measures

Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
Skin Contact	Rinse with water.

Excellent Elements LLC**Brand: PuraMinz****Oxalic Acid, Dihydrate**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
Most important symptoms and effects, both acute and delayed	
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.
Ingestion	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
----------------------	------------------------

5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards

This product is toxic.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors.

Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Protect containers from damage.

Storage class Chemical storage.

Excellent Elements LLC**Brand: PuraMinz****Oxalic Acid, Dihydrate**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Specific end uses(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection**Control parameters****Occupational exposure limits**Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m³Short-term exposure limit (15-minute): ACGIH 2 mg/m³

ACGIH = American Conference of Governmental Industrial Hygienists.

Exposure controls

Protective equipment

Appropriate engineering
controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

Wear protective gloves.

Other skin and body
protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

Environmental exposure
controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Information on basic physical and chemical properties

Excellent Elements LLC**Brand: PuraMinz****Oxalic Acid, Dihydrate**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Appearance	Solid. White. Not known. No information
Color	available. pH (concentrated solution): 1.3 (0.1M
Odor	Solution) 216°F Not applicable. Not applicable.
Odor threshold	No information available. No information
pH	available. No information available.
Melting point	
Initial boiling point and range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability or explosive limits	
Vapor pressure	
Vapor density	No information available.
Relative density	4.3 No information
Solubility(ies)	available. 138 g/l water
Partition coefficient	@ 20°C No information
Auto-ignition temperature	available. No information
Decomposition Temperature	available. No information
Viscosity	available. Not applicable.
Other information	None.

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.

Excellent Elements LLC**Brand: PuraMinz****Oxalic Acid, Dihydrate**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors.

11. Toxicological information**Information on toxicological effects****Acute toxicity - oral**

Summary

Harmful if swallowed.

Acute toxicity oral (LD₅₀
mg/kg)

1,080.0

Species

ATE oral (mg/kg)

Rat

Acute toxicity - dermal

1,080.0

Summary

Acute toxicity - inhalation

Summary

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Summary

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Causes mild skin irritation.

Serious eye damage/irritation

Summary

Causes serious eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitization

Summary

Based on available data the classification criteria are not met.

Skin sensitization

Summary

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary

Based on available data the classification criteria are not met.

Carcinogenicity

Summary

Based on available data the classification criteria are not met.

IARC carcinogenicity

None of the ingredients are listed or exempt.

Excellent Elements LLC
Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Reproductive toxicity

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

Aspiration hazard

Summary Not relevant. Solid.

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Temporary irritation.

Ingestion

May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

Skin Contact

Prolonged contact may cause dryness of the skin.

Eye contact

Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Route of exposure

Ingestion Inhalation Skin and/or eye contact

Target Organs

No specific target organs known.

12. Ecological information

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Acute aquatic toxicity

Summary Based on available data the classification criteria are not met.

Chronic aquatic toxicity

Summary Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No information available.

Mobility in soil

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Mobility No data available.

Other adverse effects

Other adverse effects

None known.

13. Disposal considerations**Waste treatment methods**

General information

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

14. Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International)

Not applicable.

UN No. (DOT)

Not applicable.

UN proper shipping name

Proper shipping name

(International)

Not applicable.

Proper shipping name (DOT)

Not applicable.

Transport hazard class(es)

Transport Labels

(International)

No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packing group

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Packing group (International) Not applicable.

DOT packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT reportable quantity

DOT TIH Zone Not applicable.

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78
and the IBC Code Not applicable.**15. Regulatory information**

Regulatory References OSHA Hazard Communication Standard 29 CFR §1910.1200

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

Acute toxicity (any route of exposure)
Serious eye damage or eye irritation

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

California Directors List of Hazardous Substances

None of the ingredients are listed.

Massachusetts "Right To Know" List

None of the ingredients are listed.

Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

None of the ingredients are listed.

New Jersey "Right To Know" List

None of the ingredients are listed.

Pennsylvania "Right To Know" List

None of the ingredients are listed.

Inventories

Canada - DSL/NDSL

Present.

US - TSCA

None of the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

Australia - AICS

Present.

Japan - ENCS

Present.

Excellent Elements LLC
Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Korea - KECI

Not listed.

China - IECSC

Present.

Philippines - PICCS

Present.

New Zealand - NZIOC

Present.

Taiwan - TCSI

Present.

16. Other information

Abbreviations and acronyms
used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

Classification abbreviations
and acronyms

Acute Tox. = Acute toxicity

Eye Dam. = Serious eye damage

Training advice

Only trained personnel should use this material.

Revision date

3/12/2021

Supersedes date

12/20/2019

SDS No.

62

Hazard statements in full

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Temporary incapacitation, injury. (2)

NFPA - health hazard

Will not burn. (0)

NFPA - flammability hazard

Excellent Elements LLC

Brand: PuraMinz

Oxalic Acid, Dihydrate

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

NFPA - instability hazard	Normally stable. (0)
NFPA - special hazard	W (with horizontal line through center)
End of Safety Data Sheet	

This 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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. This SDS was prepared by Excellent Elements LLC, brand owner of PuraMinz, for repackaged material sourced from certified suppliers and or manufacturers. The chemical composition is unchanged. However, no warranty, guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to ensure the information is suitable for their specific use.