

SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (Hazard Communication Standard)
IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, and users of this product.

1. Identification

1.1. Product identifier

| | |
|-------------------------|---------------------------|
| Product Identity | Vinegar Neutralizer |
| Alternate Names | Vinegar Floor Neutralizer |
| Product Code | 119-01 |

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---------------------------|------------------------|
| Intended use | Cleaner |
| Application Method | See Label Instructions |

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------|-----------------------|
| Company Name | United Formulas |
| | 601 6th St SW, Unit 5 |
| | Great Falls, MT 59404 |

Emergency

| | |
|--|---------------------------|
| 24 hour Emergency Telephone No. | Infotrac: 1 800-535-5053 |
| | Emergency: (406) 727-4144 |

Customer Service: United Formulas

2. Hazard(s) identification

2.1. Classification of the substance or mixture

| | |
|----------------------|-------------------------------|
| Skin Corr. 2;H315 | Causes skin irritation. |
| Eye Dam. 2A;H319 | Causes serious eye irritation |
| Aquatic Acute 3;H402 | Harmful to aquatic life |

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H315 Causes skin irritation.

H319 Causes serious eye irritation

H402 Harmful to aquatic life

[Prevention]:

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

[Response]:

P302+352: IF ON SKIN: Wash with plenty of water.

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

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

P332+313: If skin irritation occurs: Get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--|--------|
| Acetic Acid CAS Number: 0000064-19-7 | 1.0 - 10 | Flam. Liq. 3;H226 Skin Corr. 1A;H314 Eye Dam. 1;H318 Skin Sens. 1;H317 Aquatic Acute 3 | [1][2] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

| | |
|------------------|--|
| Skin | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| Ingestion | Do NOT induce vomiting. Dilute product by giving large quantities of water or milk. Call your nearest poison control center for further action and seek medical attention immediately. |

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

| | |
|-----------------|---|
| Overview | Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details. |
|-----------------|---|

5. Fire-fighting measures

5.1. Extinguishing media

Water or other normal extinguishing media.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Small spills: Mop up with water.

Large spills: Absorb with inert material and place in suitable containers.

Dispose of in accordance with local, state and federal regulations.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong oxidizing agents

Keep product containers cool and dry.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|-------------|----------|--|
| 0000064-19-7 | Acetic Acid | OSHA | TWA 10 ppm (25 mg/m ³)STEL N/A |
| | | ACGIH | TWA: 10 ppm STEL: 15 ppm |
| | | NIOSH | TWA 10 ppm (25 mg/m ³) |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|-------------|--------|--|
| 0000064-19-7 | Acetic Acid | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended

Skin

Not normally required.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Clear Liquid

Odor

Vinegar

Odor threshold

Not Measured

pH

2.4 at 6%

Melting point / freezing point

Not applicable

Initial boiling point and boiling range

210 - 220°F

| | |
|--|--|
| Flash Point | Non-flammable |
| Evaporation rate (Ether = 1) | Not available |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not applicable Upper Explosive Limit: Not applicable |
| Vapor pressure (Pa) | 11.4 |
| Vapor Density | 2.07 (Air = 1.0) |
| Specific Gravity | 1.05 g/ml |
| Solubility in Water | Complete |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not available |
| Viscosity (cSt) | Not available |
| VOC Content | Not available |

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|-------------------------|---------------------|----------------------|---------------------------------------|---|--------------------------------|
| Acetic Acid – (64-19-7) | 90,000.00, Rat | No data available | 5620 ppm Mouse | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|-------------------------------|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2A | Causes serious eye irritation |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 24 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|-------------------------|-----------------------|----------------------------|-------------------|
| Acetic Acid – (64-19-7) | 79.00, Fathead Minnow | 47.00, Daphnia | No Data Available |

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

Biodegradable, no accumulation expected.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|--|---|----------------------------------|
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: No | | |
| 14.6. Special precautions for user | | | |
| No further information | | | |

15. Regulatory information

| | | | |
|--|---|---------------------------------------|---------------------|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. | | |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. | | |
| WHMIS Classification | Not Regulated | | |
| US EPA Tier II Hazards | Fire: No | Sudden Release of Pressure: No | Reactive: No |
| | Immediate (Acute): Yes | Delayed (Chronic): No | |

EPCRA 311/312 Chemicals and RQs:

Acetic Acid (5000 lbs.)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein 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 contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction

H318 Causes serious eye damage.

01/06/2016 Revision: Product Name changed from Vinegar Floor Neutralizer to Vinegar Neutralizer

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