

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: IMPACT-DriVin

Relevant identification uses of the substance and uses advised against:

Recommended use: Drinking water acidulent / vinegar replacement for agricultural use.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Environmental Dynamics, Inc.

3142 Mercer University Dr.

Macon, GA 31204

+1-800-448-4723

info@envirodyn.com

Emergency telephone numbers:

24-hour Emergency Contact:

+1-800-448-4723

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:

Eye Damage (Category 1)

Hazard Statement:

H318

Label elements:

Hazard Pictogram:



Signal Word: Danger.

Hazard Statement:

H318 Causes serious eye damage.

Precautionary Statements:

P280 Wear eye protection/face protection.

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.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	Classification EC1272/2008
	EC-No.		
Sodium hydrogen di(acetate)	126-96-5	100%	Eye Dam. 1 H318
	204-814-9		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

Inhalation: Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin contact: Rinse with water. Wash off immediately with plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If symptoms persist, call a physician.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, lean victim forward to reduce risk of aspiration. Rinse mouth. Obtain medical attention.

Most important symptoms and effects, both acute and delayed:

Eye Contact: Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards during firefighting: Heating can release hazardous gases.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

Specific methods: The product is flammable but not readily ignited.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. For personal protection see below. Wear respiratory protection.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Methods for containment and cleaning up:

Neutralise with sodium carbonate or bicarbonate. Flush with plenty of water.

Section 7: Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Keep container closed when not in use. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

Conditions for safe storage, including incompatibilities:

Storage: Keep tightly closed in a dry and cool place.

Materials for packaging: Suitable material: original container.

Materials to avoid: Acids, bases, oxidizing agents.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Respirator must be worn if exposed to dust. Respirator with a dust filter.

Hand protection: Glove material: PVC; Glove material: Rubber gloves

Eye protection: Tightly fitting safety goggles or face-shield.

Skin and body protection: Work clothing.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Solid (crystalline)

Color: White.

Odor: Acetic acid.

Odor threshold: No data available.

pH (concentration): No data available.

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability (solid, gas): Non-flammable (100%)

Upper/lower flammability/explosive limits: No data available.

Vapor pressure: 0 Pa @ 25 °C

Vapor density: No data available.

Relative density: 1.405

Water solubility (g/L) at 20 °C: 1 000 g/L

n-Octanol/Water partition coefficient: -3.72

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Stability: Stable under normal conditions. The product is hygroscopic.

Thermal decomposition: >150 °C

Materials to avoid: Acids, bases, oxidizing agents.

Hazardous decomposition products: Carbon oxides (COx), acetic acid (thermal decomposition products).

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Not data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Waste treatment methods: Dispose of in compliance with local and national regulations.

Product/packaging disposal: Dispose of as unused product.

Section 14: Transport Information

UN number: Not regulated as dangerous goods.

UN proper shipping name: Not regulated as dangerous goods.

Transport hazard class(es): Not regulated as dangerous goods.

Packing group: Not regulated as dangerous goods.

Environmental hazards: Not regulated as dangerous goods.

Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Acute Health Hazard.

SARA Title III Section 313 Supplier Information: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H-statements (number and full text):

H318 Causes serious eye damage.

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.