# Section 1: Identification of the Substance/mixture and of the Company/undertaking

<table>
<thead>
<tr>
<th>1.1 Product Name:</th>
<th>Hydrovance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>516-843X</td>
</tr>
</tbody>
</table>

| 1.2 Intended Use: | Compound used in customer substance/mixture/product. |

<table>
<thead>
<tr>
<th>1.3 Supplier:</th>
<th>Majestic Mountain Sage Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2490 S 1350 W</td>
</tr>
<tr>
<td></td>
<td>Nibley, UT 84321 - United States of America</td>
</tr>
<tr>
<td></td>
<td>T 435.755.0863 - F 435.755.2108</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.TheSage.com">www.TheSage.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4 Emergency Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>No additional information available</td>
</tr>
</tbody>
</table>

# Section 2: Hazards Identification

## 2.1 Emergency Overview
- Appearance: Liquid
- Color: Light yellow
- Odor: Odorless

## 2.2 GHS Classification
Not a hazardous substance or mixture.

## 2.3 GHS Label Elements
Not a hazardous substance or mixture.

## 2.4 Carcinogenicity

<table>
<thead>
<tr>
<th>IARC:</th>
<th>No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA:</td>
<td>No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.</td>
</tr>
</tbody>
</table>
SECTION 3: Composition/Information on Ingredients

3.1 Substance/Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea</td>
<td>57-13-6</td>
<td>&gt;= 1 - &lt;5</td>
</tr>
</tbody>
</table>

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Advice: No hazards which require special first aid measures.

Inhalation: If breathed in, move person into fresh air. If symptoms persist, call a physician.

Skin Contact: Remove contaminated clothing and shoes. Rinse with water.

Eye Contact: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

Ingestion: Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Risks: No information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians: Treat symptomatically.
SECTION 5: Firefighting Measures

5.1 Extinguishing Media

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

Unsuitable: No information available.

5.2 Specific Hazards Arising From the Chemical

No hazard to be specifically mentioned.

5.3 Combustion Products

No hazardous combustion products are known.

5.4 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.

5.5 Further Information

Standard procedure for chemical fires.

See also Section 9. Physical and Chemical Properties: Safety Data.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

No conditions to be specifically mentioned. Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental Precautions

No specific environmental precautions required.

6.3 Methods and Material for Containment and Cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to Other Sections

For disposal considerations see Section 13.
For personal protection see Section 8.
SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling
For personal protection see Section 8. No special handling advice required.

Advice on Protection Against
Fire and Explosion: Normal measures for preventative fire protections.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Avoid temperatures below 5°C (41°F). No decomposition if stored and applied as directed.

Incompatible Materials: No special restrictions on storage with other products.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>Value</th>
<th>Control Parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea</td>
<td>57-13-6</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>2008-01-01</td>
<td>US WEEL</td>
</tr>
</tbody>
</table>

ACGIH: American Conference of Governmental Industrial Hygienists
BEI: Biological Exposure Index
MAC: Maximum Allowable Concentration
NIOSH: National Institute for Occupational Safety and Health
OEL: Occupational exposure limit.
STEL: Short term exposure limit
TWA: Time Weighted Average

8.2 Appropriate Engineering Controls
Effective exhaust ventilation system.
8.3 Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Safety glasses.

Hand Protection: Glove material: For prolonged or repeated contact use protective gloves.

Respiratory Protection: No personal respiratory protective equipment normally required.

Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practices.

8.4 Environmental Exposure Controls
No special environmental precautions required.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Safety Data</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6 - 8.5</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>&gt; 100°C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability ( Liquids)</td>
<td>Not classified as a flammability hazard</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.128 kg/m$^3$ at 25°C</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.13 at 25°C</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and Reactivity

10.1 Reactivity
Stable under normal conditions.

10.2 Chemical Stability
Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to Avoid
None known.

10.5 Incompatible Materials
None known.

10.6 Hazardous Decomposition Products
No hazardous decomposition products are known.

SECTION 11: Toxicological Information

11.1 Hazard Summary

Acute Toxicity: Not classified based on available information.
Skin Corrosion/Irritation: Not classified based on available information.
Serious Eye Damage/Irritation: Not classified based on available information.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.
Respiratory/Skin Sensitization: Not classified based on available information.
Germ Cell Mutagenicity: Not classified based on available information.
Carcinogenicity: Not classified based on available information.
Reproductive Toxicity: Not classified based on available information.
STOT - Single Exposure: Not classified based on available information.
STOT - Repeated Exposure: Not classified based on available information.
Aspiration Hazard: Not classified based on available information.

Potential Health Effects

Inhalation: Not expected to be irritating.
Skin: Not expected to be irritating.
Eyes: Not expected to be irritating.
Ingestion: Not expected to be irritating.
Aggravated Medical Condition: None known.
Symptoms of Overexposure: The symptoms and effects are as expected from the hazards as shown in Section 2. No specific product related symptoms are known.

Toxicology Assessment

Further Information: No further data available.

Test Result

Acute Oral Toxicity: LD50: > 5,000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

11.2 Toxicology Data for the Ingredients

Test Result

Component: Urea
Acute Oral Toxicity: LD50: > 5,000 mg/kg
Species: Rat
Literature data.

SECTION 12: Ecological Information

PRODUCT INFORMATION:

12.1 Ecotoxicity Effects

Toxicity to Fish: LC50: > 1,000 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)

12.2 Persistence and Degradability

Bioaccumulation: Bioaccumulation is unlikely.
Mobility: No data available
Biodegradability: Result: Readily Biodegradable
Method: OECD Test Guideline 301B

12.3 Further Information on Ecology

Biochemical Oxygen Demand (BOD): No data available

12.4 Hazardous to the Ozone Layer

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufacture with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).
INGREDIENTS INFORMATION:

12.5 Ecotoxicity Effects

    Test Result  
    Component: Urea

    Toxicity to fish:  
    LC50: > 100 mg/l  
    Exposure Time: 96 h  
    Species: Fish  
    Literature data.

12.6 Persistence and Degradability

    Bioaccumulation:  
    No data available.

    Mobility:  
    No data available

    Biodegradability:  
    Result: Readily Biodegradable  
    Literature data.

17.7 Further Information on Ecology

    Biochemical Oxygen
    Demand (BOD):  
    No data available

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

    Disposal of Wastes:  
    Waste must be disposed of in accordance with federal, state and local environment control regulations.

    Contaminated Packaging:  
    Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

14.1 International Regulations

    ADR
    Not regulated as a dangerous good.
UNRTDG
Not regulated as a dangerous good.

IATA-DGR
Not regulated as a dangerous good.

IMDG-Code
Not regulated as a dangerous good.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Further Information for Transport
Not classified as dangerous in the meaning of transport regulations.

14.2 Domestic Regulation

49 CFR
Not regulated as a dangerous good.

TDG
Not regulated as a dangerous good.

NOM-002-SCT
Not regulated as a dangerous good.

SECTION 15: Regulatory Information

15.1 Notification Status

DSL: Yes. All components of this product are on the Canadian DSL.
AICS: Yes. On the inventory, or in compliance with the inventory
NZIoC: Yes. On the inventory, or in compliance with the inventory
ENCS: No. Not in compliance with the inventory
ISHL: No. Not in compliance with the inventory
KECI: No. Not in compliance with the inventory
PICCS: Yes. On the inventory, or in compliance with the inventory
IECSC: Yes. On the inventory, or in compliance with the inventory
TCSI: Yes. On the inventory, or in compliance with the inventory
TSCA: Yes. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA inventory exemption.
For explanation of abbreviations, see Section 16.

**TSCA List**
TSCA 5(a)(2): No substances are subject to a Significant New Use Rule.
TSCA 12(b): No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know**
No information available

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards**
No SARA Hazards.

**SARA 302**
This material does not contain any components with a section 302 EHS TPQ.

**SARA 313**
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.

**Clean Air Act**
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section !!!
SOCMI Intermediate or Final VOC’s (40 CFR 60.489):
   Urea             57-13-6       1-5%

**Clean Water Act**
This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
California Prop. 65
WARNING: This product can expose you to chemicals including Diethanolamine, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other Information

16.1 Full Text of Other Abbreviations

US WHEEL: USA. Workplace Environmental Exposure Levels (WEEL)
US WEEL / TWA: 8-hr TWA
AICS: Australian Inventory of Chemical Substances
ANTT: National Agency for Transport by Land of Brazil
ASTM: American Society for the Testing of Materials
bw: Body weight
CMR: Carcinogen, Mutagen or Reproductive Toxicant
CPR: Controlled Products Regulations
DIN: Standard of the German Institute for Standardization
DSL: Domestic Substances List (Canada)
Ecx: Concentration associated with x% response
Elx: Loading rate associated with x% response
EmS: Emergency Schedule
ENCS: Existing and New Chemical Substances (Japan)
ErCx: Concentration associated with x% growth rate response
ERG: Emergency Response Guide
GHS: Globally Harmonized System
GLP: Good Laboratory Practice
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50: Half maximal inhibitory concentration
ICAO: International Civil Aviation Organization
IECSC: Inventory of Existing Chemical Substances in China
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
ISHL: Industrial Safety and Health Law (Japan)
ISO: International Organization for Standardization
KECI: Korea Existing Chemicals Inventory
LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL: International Convention for the Prevention of Pollution from Ships
n.o.s.: Not Otherwise Specified
Nch: Chilean Norm
16.2 Further Information

**HMIS Classification**
- Health Hazard: 1
- Flammability: 0
- Physical Hazards: 0

**NFPA Classification**
- Health Hazard: 1
- Fire Hazard: 0
- Reactivity Hazard: 0

**Notification Status Explanation**
- REACH: 1907/2006 (EU)
- DSL: Canadian Domestic Substances List (DSL)
- AICS: Australia Inventory of Chemical Substances (AICS)
- NZIoC: New Zealand Inventory of Chemicals
- ENCS: Japan. Existing and New Chemical Substances Inventory
- ISHL: Japan. Inventory of Chemical Substances
- KECl: Korea. Korean Existing Chemicals Inventory (KECl)
Notes:
This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.