



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

- 1.1 Product Name:** Hydrovance  
**Product Code:** 516-843X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc  
2490 S 1350 W  
Nibley, UT 84321 - United States of America  
T 435.755.0863 - F 435.755.2108  
[www.TheSage.com](http://www.TheSage.com)
- 1.4 Emergency Telephone Number**  
No additional information available

**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**

- 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.

### SECTION 3: Composition/Information on Ingredients

#### 3.1 Substance/Mixture

Chemical Name	CAS No.	Concentration %
Urea	57-13-6	>= 1 - <5

### 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

Ingredients	CAS No.	Value	Control Parameters	Update	Basis
Urea	57-13-6	TWA	10 mg/m <sup>3</sup>	2008-01-01	US WEEL

**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

<b>Eye/Face Protection:</b>	Safety glasses.
<b>Hand Protection:</b>	Glove material: For prolonged or repeated contact use protective gloves.
<b>Respiratory Protection:</b>	No personal respiratory protective equipment normally required.
<b>Hygiene Considerations:</b>	Handle in accordance with good industrial hygiene and safety practices.

### 8.4 Environmental Exposure Controls

No special environmental precautions required.

<b>SECTION 9: Physical and Chemical Properties</b>
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### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Form:</b>	Liquid
<b>Color:</b>	Light yellow
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available

#### Safety Data

<b>pH:</b>	6 - 8.5
<b>Melting Point/Freezing Point:</b>	No data available
<b>Boiling Point/Boiling Range:</b>	> 100°C
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	No data available
<b>Flammability (Solid, Gas):</b>	Not applicable
<b>Flammability (Liquids):</b>	Not classified as a flammability hazard
<b>Lower Explosion Limit:</b>	Not applicable
<b>Upper Explosion Limit:</b>	Not applicable
<b>Vapor Pressure:</b>	No data available
<b>Relative Vapor Density:</b>	No data available
<b>Density:</b>	1.128 kg/m <sup>3</sup> at 25°C
<b>Relative Density:</b>	1.13 at 25°C
<b>Water Solubility:</b>	Soluble
<b>Solubility in Other Solvents:</b>	No data available

<b>Partition Coefficient:</b>	
<b>n-octanol/water:</b>	No data available
<b>Autoignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity, Dynamic:</b>	< 200 mPa.s
<b>Viscosity, Kinematic:</b>	No data available
<b>Explosive Properties:</b>	Not explosive
<b>Oxidizing Properties:</b>	The substances or mixture is not classified as oxidizing.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

## 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

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

<b>Respiratory/Skin Sensitization:</b>	Not classified based on available information.
<b>Germ Cell Mutagenicity:</b>	Not classified based on available information.
<b>Carcinogenicity:</b>	Not classified based on available information.
<b>Reproductive Toxicity:</b>	Not classified based on available information.
<b>STOT - Single Exposure:</b>	Not classified based on available information.
<b>STOT - Repeated Exposure:</b>	Not classified based on available information.
<b>Aspiration Hazard:</b>	Not classified based on available information.

**Potential Health Effects**

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

**Toxicology Assessment**

<b>Further Information:</b>	No further data available.
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**Test Result**

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

<b>IARC:</b>	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.
<b>OSHA:</b>	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.

<b>SECTION 12: Ecological Information</b>
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## 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**

<b>DSL:</b>	Yes. All components of this product are on the Canadian DSL.
<b>AICS:</b>	Yes. On the inventory, or in compliance with the inventory
<b>NZIoC:</b>	Yes. On the inventory, or in compliance with the inventory
<b>ENCS:</b>	No. Not in compliance with the inventory
<b>ISHL:</b>	No. Not in compliance with the inventory
<b>KECI:</b>	No. Not in compliance with the inventory
<b>PICCS:</b>	Yes. On the inventory, or in compliance with the inventory
<b>IECSC:</b>	Yes. On the inventory, or in compliance with the inventory
<b>TCSI:</b>	Yes. On the inventory, or in compliance with the inventory
<b>TSCA:</b>	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%
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**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](http://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)
Ec <sub>x</sub> :	Concentration associated with x% response
El <sub>x</sub> :	Loading rate associated with x% response
EmS:	Emergency Schedule
ENCS:	Existing and New Chemical Substances (Japan)
ErC <sub>x</sub> :	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
IC <sub>50</sub> :	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
LC <sub>50</sub> :	Lethal Concentration to 50% of a test population
LD <sub>50</sub> :	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

NO(A)EC:	No Observed (Adverse) Effect Concentration
NO(A)EL:	No Observed (Adverse) Effect Level
NOELR:	No Observable Effect Loading Rate
NOM:	Official Mexican Norm
NTP:	National Toxicology Program
NZIoC:	New Zealand Inventory of Chemicals
OECD:	Organization for Economic Co-operation and Development
OPPTS:	Office of Chemical Safety and Pollution Prevention
PBT:	Persistent, Bioaccumulative and Toxic substance
PICCS:	Philippines Inventory of Chemicals and Chemical Substances
(Q)SAR:	(Quantitative) Structure Activity Relationship
REACH:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
SADT:	Self-Accelerating Decomposition Temperature
SDS:	Safety Data Sheet
TCSI:	Taiwan Chemical Substance Inventory
TDG:	Transportation of Dangerous Goods
TSCA:	Toxic Substances Control Act (United States)
UN:	United Nations
UNRTDG:	United Nations Recommendations on the Transport of Dangerous Goods
vPvB:	Very Persistent and Very Bioaccumulative
WHMIS:	Workplace Hazardous Materials Information System

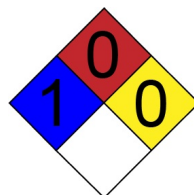
## 16.2 Further Information

### 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 Chemical Substances
ENCS:	Japan. Existing and New Chemical Substances Inventory
ISHL:	Japan. Inventory of Chemical Substances
KECI:	Korea. Korean Existing Chemicals Inventory (KECI)

PICCS: Philippines Inventory of Existing Chemicals and Chemical Substances (PICCS)  
IECSC: China. Inventory of Existing Chemical Substances in China  
TSCI: Taiwan Chemical Substance Inventory (TCSI)  
TSCA: United States TSCA Inventory

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.