

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

## **SAFETY DATA SHEET**

### **Section 1. Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product Identifier**

**Product Name:** Vicodin ES Tablets

**Synonyms:** Vicodin ES; Vicodin Tablets, 7.5 mg/750 mg; Vicodin ES (Hydrocodone Bitartrate and Acetaminophen) Tablets

**Trade name:** Vicodin

**List Number:** 1973

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

**Recommended use:** Pharmaceuticals

#### **1.3 Details of the supplier of the safety data sheet**

**Supplier:** AbbVie Inc.  
1 North Waukegan Road  
North Chicago, IL 60064  
USA  
1-800-255-5162  
+1-847-937-7433

**Customer Service Telephone:** 1-800-255-5162 (US and Canada only)  
+1-847-937-7433

**E-mail Address:** AbbVie.SDS@abbvie.com

#### **1.4 Emergency telephone number**

**Emergency Telephone:** CHEMTREC: 1(800) 424-9300 (in USA and Canada)  
or +1-703-527-3887 (international)

### **Section 2. Hazards identification**

#### **2.1 Classification of the substance or mixture**

**Regulation (EC) No 1272/2008**

**Acute oral toxicity** Category 4  
**Chronic aquatic toxicity** Chronic toxicity 3

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

**Indication of danger:** Xn - Harmful

**Risk Phrases:** R22 - Harmful if swallowed

R52 - Harmful to aquatic organisms

R53 - May cause long-term adverse effects in the aquatic environment

#### **2.2 Label elements**

**Product Name:**  
**Issued:**

**Vicodin ES Tablets**  
**Jun-14-2013**

## Section 2. Hazards identification



**Signal Word:** Warning

**Hazard Statements:**  
H302 - Harmful if swallowed  
H412 - Harmful to aquatic life with long lasting effects

P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P330 - Rinse mouth  
P273 - Avoid release to the environment  
P501 - Dispose of contents/container to an approved waste disposal plant

### 2.3 Other hazards

Not determined

## Section 3. Composition/information on ingredients

Chemical Name	Percent	EINECS/ELINCS Number	EEC Classification	EU - GHS Substance Classification	REACH No.
Acetaminophen 103-90-2	97-99	Present	Xn, R22 R52-53	Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)	No data available
Silica, Amorphous 112926-00-8	0.1-1	NA		Not Hazardous*	No data available
Hydrocodone Bitartrate 34195-34-1	< 1	NA	Xn, R22; R42, R43, R67	STOT SE 3 (H336) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Acute Tox. 4 (H302)	No data available
Magnesium Stearate 557-04-0	0.1-1	Present		Not Hazardous*	No data available

Not Hazardous\* - Based on available data, not classified as hazardous according to the criteria of the Globally Harmonized System.

**For the full text of the R-phrases mentioned in this Section, see Section 16**  
**For the full text of the H-Statements mentioned in this Section, see Section 16**

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

## Section 4. First aid measures

### 4.1 Description of first aid measures

**Eye Contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Skin Contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Inhalation:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Ingestion:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Protection of First-aiders:** Use personal protective equipment

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

**Signs and Symptoms:** Clinical data suggests the following: lightheadedness, dizziness, sedation, nausea, vomiting, cognitive dysfunction, incoordination, respiratory distress, rash, anorexia, abnormal liver function, abnormal kidney function, altered white blood cells and thrombocytes.

**Medical Conditions Aggravated by Exposure:** Data suggest any pre-existing ailments in the following organs: central nervous system, respiratory system, skin, urinary bladder, gastrointestinal system, kidneys. Hypersensitivity to the material and/or similar materials.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes To Physician:** Treat symptomatically

## Section 5. Firefighting measures

### 5.1 Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing agent suitable for type of surrounding fire

**Unsuitable Extinguishing Media:** Not determined

### 5.2 Special hazards arising from the substance or mixture

**Special Exposure Hazards:** Not determined

### 5.3 Advice for firefighters

**Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus and full protective gear

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

**Personal Precautions:** For personal protection see section 8

## **6.2. Environmental precautions**

**Environmental Precautions:** Contain material and prevent release to waterways or soil.

## **6.3. Methods and material for containment and cleaning up**

**Methods for Cleaning Up:** Recover product and place in an appropriate container for disposal.

## **6.4. Reference to other sections**

Refer to Sections 8, 12, and 13 for further information.

## **Section 7. Handling and storage**

### **7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store according to label instructions

### **7.3. Specific end use(s)**

**Recommended use:** Pharmaceuticals

## **Section 8. Exposure controls/personal protection**

### **8.1. Control parameters**

**Exposure limits:**

<b>Chemical Name</b>	<b>Employee Exposure Limit</b>	<b>Skin Notation</b>
Acetaminophen 103-90-2	1000 mcg/m <sup>3</sup>	None
Silica, Amorphous 112926-00-8	Not Applicable	None
Hydrocodone Bitartrate 34195-34-1	5 mcg/m <sup>3</sup> TWA	None
Magnesium Stearate 557-04-0	Not Applicable	None

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>France</b>	<b>German MAK</b>	<b>Ireland</b>	<b>Italy</b>
Acetaminophen 103-90-2				10 mg/m <sup>3</sup> (TWA)	
Silica, Amorphous 112926-00-8	10 mg/m <sup>3</sup>				
Magnesium Stearate 557-04-0	10 mg/m <sup>3</sup> total dust				

<b>Chemical Name</b>	<b>The Netherlands</b>	<b>Spain</b>	<b>Switzerland</b>	<b>UK OEL/MEL</b>
Acetaminophen 103-90-2				30 mg/m <sup>3</sup> (STEL) 10 mg/m <sup>3</sup> (TWA)
Silica, Amorphous 112926-00-8			4 mg/m <sup>3</sup> (TWA)	

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

## **8.2. Exposure controls**

<b>Engineering Controls:</b>	No special provisions are required under normal product use conditions. Use inside a process enclosure when handling the bulk formulation.
<b>Respiratory Protection:</b>	Respiratory protection is not needed during normal product use. When handling the bulk formulation, an approved respirator (i.e. NIOSH, EN, etc.) should be worn when exposures are expected to exceed the applicable limits.
<b>Eyes:</b>	Eye protection not needed during typical product use conditions. Wear eye protection as appropriate when handling the bulk formulation.
<b>Gloves:</b>	Gloves not required during normal product use conditions. Wear impervious gloves when handling the bulk formulation.
<b>Other PPE Data:</b>	Wear appropriate body coverings if contact may occur.
<b>Environmental Exposure Controls:</b>	Not determined

## **Section 9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Appearance:</b>	White Tablet
<b>Odor:</b>	Odorless.
<b>Odor Threshold:</b>	Not determined
<b>pH:</b>	Not determined.
<b>Boiling Pt. @ 760 mm Hg (°C):</b>	Not determined.
<b>Melting/Freezing Point (°C):</b>	Not determined
<b>Flash Point (°C):</b>	Not determined.
<b>Evaporation Rate at 20°C:</b>	Not determined.
<b>Flammability (Solid):</b>	Not determined.
<b>Lower Explosive Limit:</b>	Not determined.
<b>Upper Explosive Limit:</b>	Not determined.
<b>Vapor Pressure (mm Hg):</b>	Not determined.
<b>Vapor Density (Air = 1):</b>	Not determined.
<b>Specific Gravity:</b>	Not determined.
<b>Solubility(ies):</b>	Not determined.
<b>Partition coefficient: n-octanol/water</b>	Not determined.
<b>Autoignition Temp. (°C):</b>	Not determined.
<b>Decomposition temperature (°C):</b>	Not determined.
<b>Viscosity (centipoise):</b>	Not determined.
<b>Explosion Severity:</b>	Not determined.
<b>Oxidizer Properties:</b>	Not determined.

### **9.2. Other information**

Not determined

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

## Section 10. Stability and reactivity

### 10.1. Reactivity

Not determined

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Not determined.

### 10.4. Conditions to avoid

Not determined.

### 10.5 Incompatible materials

Not determined

### 10.6 Hazardous decomposition products

Carbon oxides, Nitrogen oxides (NOx)

## Section 11. Toxicological information

### 11.1. Information on toxicological effects

#### Routes of Exposure:

Oral:	Clinical Route
Dermal:	Yes
Inhalation:	Unlikely

**Acute Toxicity - Oral:** Data for component (s) given below.

Chemical Name	Acute Test	Value	Units	Species
Acetaminophen 103-90-2	LD50 =	338	mg/kg	Mice
		1944	mg/kg	Rats
Hydrocodone Bitartrate 34195-34-1	LD50 =	375	mg/kg	Rats

**Acute Toxicity - Dermal:** Not determined.

**Acute Toxicity - Inhalation:** Data for component (s) given below.

Chemical Name	Test	Value	Units	Species
Magnesium Stearate 557-04-0	LC 50 >	2000	mg/m <sup>3</sup> , 1 hour	Rats

**Other Toxicology Data:** Data for component (s) given below:

Chemical Name	Test Type	Value	Units	Species	Comments
Hydrocodone Bitartrate 34195-34-1	LD50 (sc) =	150 86	mg/kg mg/kg	Rats Mice	None.

**Corrosivity:** Not determined.

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

**Dermal Irritation:** Not determined.

**Eye Irritation:** Not determined.

**Sensitization:** Minor Ingredient : May cause allergic respiratory and skin reactions.

**Toxicokinetics/Metabolism:** Not determined.

**Target Organ Effects:** Minor Ingredient : May cause drowsiness or dizziness  
Data for component (s) given below.

Chemical Name	Target Organs:	Species	Dosage	Units	Route	Duration
Acetaminophen 103-90-2	Lymphatic system Liver Kidney Thyroid Testes Ovaries Uterus	Rats Mice	600	mg/kg	Oral Diet	Repeat dose study (ies).

**Reproductive Effects:** Not determined.

Chemical Name	Species	Dosage	Units	Route	Duration
Hydrocodone Bitartrate 34195-34-1					

**Carcinogenicity:** Not determined.

**Mutagenicity:** Data for component (s) given below.

Chemical Name	Micronucleus Assay	Ames Test:	Mouse Lymphoma Assay	Chromosomal Abbr. Assay
Acetaminophen 103-90-2	No Data.	Negative	No Data.	Positive

**Aspiration hazard:** Not determined

**Notes:**

1. ALD: Approximate lethal dosage
2. LC50: Concentration in air that produces 50% mortality
3. LD50: Oral or dermal dosage that produces 50% mortality

## Section 12. Ecological information

### 12.1. Toxicity

Data for component (s) given below.

Chemical Name	Percent	LC 50 (mg/l)	Species	Duration
Acetaminophen 103-90-2	97-99	814	Fathead Minnow	96 Hours

Chemical Name	Percent	EC 50 (mg/l)	Species	Duration
Acetaminophen 103-90-2	97-99	9.2	Daphnia magna	48 Hours

### 12.2. Persistence and degradability

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

Not determined.

### **12.3. Bioaccumulative potential**

Not determined

### **12.4. Mobility in soil**

Not determined.

### **12.5. Results of PBT or vPvB assessment**

Chemical safety report is not required for this substance/product.

### **12.6. Other adverse effects**

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

**Notes:**

- 1. EC50:** Concentration in water that produces 50% mortality in Daphnia sp.
- 2. LC50:** Concentration in water that produces 50% mortality in fish.
- 3. EbC50/ErC50:** Concentration in water that produces 50% inhibition of growth and in algae.

## **Section 13. Disposal considerations**

### **13.1 Waste treatment methods**

**Waste Disposal Methods:** Disposal should be made in accordance with country, federal, state and local regulations.

## **Section 14. Transport information**

### **ADR, DOT, ICAO/IATA, IMDG/IMO**

**Status:** Not regulated

**14.1. UN Number:** Not applicable  
**14.2. Proper shipping name:** Not applicable  
**14.3. Hazard class:** Not applicable  
**14.4. Packing group:** Not applicable  
**14.5. Environmental hazard:** Not applicable  
**14.6. Special Provisions:** Not applicable  
**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## **Section 15. Regulatory Information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **International Inventories**

Chemical Name	EINECS/ ELINCS	TSCA	DSL	NDSL	PICCS
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**Product Name:**  
**Issued:**

**Vicodin ES Tablets**  
**Jun-14-2013**

Acetaminophen 103-90-2	Present	X	X	Not listed.	X
Silica, Amorphous 112926-00-8	-	-	X	Not listed.	X
Hydrocodone Bitartrate 34195-34-1	-	-	-	Not listed.	-
Magnesium Stearate 557-04-0	Present	X	X	Not listed.	X

<b>Chemical Name</b>	<b>ENCS</b>	<b>ISHL</b>	<b>IECSC</b>	<b>AICS</b>	<b>KECL</b>	<b>New Zealand</b>
Acetaminophen 103-90-2	Present	Present	X	X	Present	HSR005203
Silica, Amorphous 112926-00-8	Present	-	X	X	Present	
Hydrocodone Bitartrate 34195-34-1	-	-	-	-	-	
Magnesium Stearate 557-04-0	Present	-	X	X	Present	

### Legend

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**ISHL** - Japan Industrial Safety and Health Law

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

### Carcinogenicity Rating:

<b>Chemical Name</b>	<b>Percent</b>	<b>NTP:</b>	<b>IARC:</b>	<b>ACGIH:</b>
Acetaminophen	97-99	Not Listed	Not Listed	Not Listed
Silica, Amorphous	0.1-1	Not Listed	Not Listed	Not Listed
Hydrocodone Bitartrate	< 1	Not Listed	Not Listed	Not Listed
Magnesium Stearate	0.1-1	Not Listed	Not Listed	Not Listed

### SARA 313 Information

<b>Chemical Name</b>	<b>Percent</b>	<b>SARA 313 Chemical:</b>	<b>CERCLA RQ/SARA EHS RQ (lbs):</b>	<b>SARA EHS TPQ (lbs):</b>
Acetaminophen	97-99	No	Not Applicable	Not applicable
Silica, Amorphous	0.1-1	No	Not Applicable	Not applicable
Hydrocodone Bitartrate	< 1	No	Not Applicable	Not applicable
Magnesium Stearate	0.1-1	No	Not Applicable	Not applicable

**Immediate Health:** Yes

**Delayed Health:** No

**Fire:** No

**Sudden Pressure:** No

**Reactivity:** No

**RCRA Status:** Not determined.

**Proposition 65 Status:** Does not contain chemicals known to the state of California to cause cancer or reproductive harm.

**WHMIS Hazard Class:** Exempt

**NFPA Rating:**  
Health: 2

**Product Name:** Vicodin ES Tablets  
**Issued:** Jun-14-2013

Fire: 1  
Reactivity: 0

**Notes:**

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substances Control Act.
5. EC = European Community.
6. WHMIS = Canadian Workplace Hazardous Materials Information System.
7. UN GHS = United Nations Globally Harmonized System for Hazard Identification.

## **15.2. Chemical safety assessment**

Chemical safety assessment has not been conducted on the substance/product.

## **Section 16. Other information**

**Risk Phrases:** R22 - Harmful if swallowed, R52 - Harmful to aquatic organisms, R53 - May cause long-term adverse effects in the aquatic environment

### **Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed, H412 - Harmful to aquatic life with long lasting effects, H336 - May cause drowsiness or dizziness, H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled, H317 - May cause an allergic skin reaction

**Document Authored By:** Global Occupational Toxicology (D-03QC)

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