



# HI-VALLEY CHEMICAL

## LABORATORY PRODUCTS

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(801) 295-9591      Fax (801) 295-9448  
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**SDS**  
Hi Valley Chemical

## Xylenes

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### PRODUCT AND COMPANY IDENTIFICATION

**Supplier Details:** High Valley Products, Inc.  
1134 West 850 North  
Centerville, Utah 84014

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### HAZARDS IDENTIFICATION

#### Classification of Substance

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1  
Health, Skin corrosion/irritation, 2  
Physical, Flammable Liquids, 3  
Health, Acute toxicity, 4 Dermal  
Health, Acute toxicity, 4 Inhalation  
Health, Acute toxicity, 5 Oral  
Environmental, Hazards to the aquatic environment - Acute, 2

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word: DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H318 - Causes serious eye damage  
H315 - Causes skin irritation  
H226 - Flammable liquid and vapor  
H312 - Harmful in contact with skin  
H332 - Harmful if inhaled  
H303 - May be harmful if swallowed  
H401 - Toxic to aquatic life

**GHS Precautionary Statements:**

P280 - Wear protective gloves/ 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.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
P242 - Use non-sparking tools.  
P243 - Take action to prevent static discharges.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash skin thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.  
 P280b - Wear protective gloves/eye protection/face protection.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 - Call a POISON CENTER/doctor/...if you feel unwell.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 - IF exposed or concerned: Get medical advice/ attention.  
 P331 - Do NOT induce vomiting.  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.  
 P337 + P313 - If eye irritation persists: Get medical advice/attention.  
 P362 - Take off contaminated clothing.  
 P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 - Store in a well-ventilated place. Keep cool.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container to an approved waste disposal plant.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Ingredients		
CAS#	%	Chemical Name
1330-20-7	90-100%	xylenes-
100-41-4	20-30%	Ethylbenzene

**4 FIRST AID MEASURES**

**Inhalation:** If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.  
**Skin Contact:** Wash with soap and water. Consult a physician.  
**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.  
**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5 FIRE FIGHTING MEASURES**

Extinguishing media  
 Suitable extinguishing media  
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
 Special hazards arising from the substance or mixture  
 No data available  
 Advice for firefighters  
 Wear self-contained breathing apparatus for firefighting if necessary.  
 Further information  
 Use water spray to cool unopened containers.

**6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**  
 Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.  
**Environmental precautions:**  
 Do not let product enter drains.  
**Methods and materials for containment and cleaning up:**  
 Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7****HANDLING AND STORAGE**

<b>Handling Precautions:</b>	Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Keep away from sources of ignition. Keep away from sources of ignition. No smoking. Take measures to prevent electrostatic discharge.
<b>Storage Requirements:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8****EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal Protective Equipment:**

Xylenes- cas#:(1330-20-7) [90-100%]

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Ethylbenzene cas#:(100-41-4) [20-30%]

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested: Vitoject (KCL 890 / Aldrich Z677698, Size M) Splash contact data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and at the end of workday.

Xylenes- cas#:(1330-20-7) [90-100%]

Components with workplace control parameters

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1  
435 mg/m3 Limits for Air Contaminants

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
435 mg/m3 1910.1000

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
655 mg/m3 1910.1000

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)  
434 mg/m3

Not classifiable as a human carcinogen

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)  
651 mg/m3

Not classifiable as a human carcinogen

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)  
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which  
there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human  
carcinogen

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)  
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which  
there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human  
carcinogen

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1  
435 mg/m3 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
435 mg/m3 1910.1000

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
655 mg/m3 1910.1000

Ethylbenzene cas#:(100-41-4) [20-30%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)  
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values  
or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended  
Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI  
section) Confirmed animal carcinogen with unknown relevance to humans

STEL 125 ppm USA. ACGIH Threshold Limit Values (TLV)  
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values  
or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended  
Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI  
section) Confirmed animal carcinogen with unknown relevance to humans

TWA 100 ppm USA. NIOSH Recommended Exposure Limits  
435 mg/m3

ST 125 ppm USA. NIOSH Recommended Exposure Limits  
545 mg/m3

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1  
435 mg/m3 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
435 mg/m3 1910.1000

STEL 125 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
545 mg/m3 1910.1000

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### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless.  
**Physical State:** Liquid  
**Specific Gravity or Density:** 0.86  
**Boiling Point:** 137 - 140 °C (279 - 284 °F) - lit.  
**Flash Point:** 25 °C (77 °F) - closed cup  
**Vapor Pressure:** 24 hPa (18 mmHg) at 37.7 °C (99.9 °F)

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### STABILITY AND REACTIVITY

**Reactivity:** No data available  
**Chemical Stability:** Stable under recommended storage conditions.  
**Conditions to Avoid Identification:** Heat, flames and sparks.  
**Materials to Avoid Identification:** Strong Oxidizing Agents.

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### TOXICOLOGICAL INFORMATION

Xylenes- cas#:(1330-20-7) [90-100%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene)

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):  
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Ethylbenzene cas#:(100-41-4) [20-30%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50 Dermal - rabbit - 15,433 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):  
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):  
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

Synergistic effects: no data available

Additional Information:

RTECS: DA0700000

Xylenes- cas#:(1330-20-7) [90-100%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Ethylbenzene cas#:(100-41-4) [20-30%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Cyprinodon variegatus (sheepshead minnow) - 88.00 mg/l - 96 h.

LC50 - Lepomis macrochirus (Bluegill) - 80.00 mg/l - 96 h

NOEC - Cyprinodon variegatus (sheepshead minnow) - 88 mg/l - 96 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 4.2 mg/l - 96 h

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

Dispose of in accordance with local regulations.

UN1307, Xylenes, 3, PGII

Component (CAS#) [%] - CODES

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RQ(100LBS), Xylenes- (1330-20-7) [90-100%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Ethylbenzene (100-41-4) [20-30%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR



**WARNING**

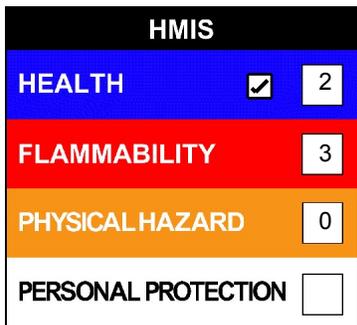
This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Regulatory CODE Descriptions

- RQ = Reportable Quantity
- CERCLA = Superfund clean up substance
- CSWSH = Clean Water Act Hazardous substances
- EPCRAWPC = EPCRA water Priority Chemicals
- HAP = Hazardous Air Pollutants
- MASS = MA Massachusetts Hazardous Substances List
- NJHS = NJ Right-to-Know Hazardous Substances
- OSHAWAC = OSHA workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- SARA313 = SARA 313 Title III Toxic Chemicals
- TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
- TSCA = Toxic Substances Control Act
- TXAIR = TX Air Contaminants with Health Effects Screening Level
- TXHWL = TX Hazardous Waste List
- PRIPOL = Clean Water Act Priority Pollutants
- TOXICPOL = Clean water Act Toxic Pollutants

**16 OTHER INFORMATION**

**NFPA:** Health = 2, Fire = 3, Reactivity = 0, Specific Hazard = n/a  
**HMIS III:** Health = 2(Chronic), Fire = 3, Physical Hazard = 0



**Disclaimer:**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

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