

CCI-700 XYLENE SOLVENT

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: CCI-700 XYLENE SOLVENT.

Synonyms: None

Chemical family: Solvent.

Supplier: Same as manufacturer.

Manufacturer: Concreation Canada Inc.
582 Rivermede Road, Unit 8
Concord ON
L4K 2H5 Tel: (905) 482-3837.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Information phone number: 905-482-3837.

Section 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard Class(es): Skin corrosion/irritation, category 2 Irritant.
Serious eye damage/eye irritation, category 2A Irritant.
Specific target organ toxicity following single exposure, category 3.
Aspiration hazard, category 1.
Acute toxicity, category 4 (dermal).
Acute toxicity, category 4 (inhalation).
Acute toxicity, category 5 (oral).

Physical Hazard Class(es): Flammable liquid, category 3.

Environmental Hazard Class(es): Acute hazards to the aquatic environment, category 2.

GHS Label Elements

Symbol:



Signal word: DANGER.

Hazard statement(s): H226 Flammable liquid and vapour.
H303 May be harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H401 Toxic to aquatic life.

Precautionary statement(s): P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 Keep container tightly closed.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P241 Use explosion–proof electrical/ventilating/lighting and all material handling equipment.
P242 Use non–sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P271 Use only outdoors or in a well–ventilated area.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment is advised – see first aid.
P331 Do NOT induce vomiting.
P362 Take off contaminated clothing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P403 + P233 Store in a well–ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national regulations.
P370 + P378 In case of fire: Use appropriate media for extinction.

Other hazard(s): Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS
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C.A.S.	CONCENTRATION %	Ingredient Name	EINECS#
100-41-4	15	ETHYLBENZENE	202-849-4
1330-20-7	85	XYLENE	215-535-7

Section 4: FIRST AID MEASURES

- Skin contact:** Immediately flush skin with plenty of water and soap for 15 minutes while removing contaminated clothing and shoes.
Seek medical attention if irritation persists.
- Eye contact:** Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.
- Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
- Ingestion:** Obtain immediate medical attention.
Do not induce vomiting, keep person warm, quiet.
Guard against aspiration of liquids into lungs.
If vomiting occurs, keep head below hips.
Never give anything by mouth to an unconscious person.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Flammable.
- Extinguishing media:** Carbon dioxide, dry chemical, foam.
Water fog.
Alcohol-resistant foam.
Do not use water jet.
- Conditions of flammability:** Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.
- Special procedures:** Firefighters should wear adequate protective gear.
Self-contained breathing apparatus required.
Use water spray to cool fire exposed containers.
This material may produce a floating fire hazard.
- Sensitivity to static discharge:** Not sensitive.
- Sensitivity to mechanical impact:** Not sensitive.
- Rate of burning:** Not available.
- Hazardous combustion products:** Oxides of carbon (CO, CO₂).
Hydrocarbons.
Irritating and/or toxic fumes.

Section 6: ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Eliminate all sources of ignition.
Dike area to prevent spreading.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Stop leak if without risk.
Ventilate area.
Wear appropriate protective equipment.
Ground handling equipment.
Use non-sparking tools.
Use water spray to reduce vapors.
Place in a closed container for disposal.
Absorb with clay, dry sand or other inert material.

Section 7: HANDLING AND STORAGE

Handling procedures: Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Use non-sparking tools.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Do not eat, drink or smoke in handling area.
Use with explosion proof equipment.
Launder contaminated clothing prior to reuse.

Storage procedures: Store away from all sources of ignition.
Store away from incompatible materials.
Keep containers tightly closed and upright when not in use.
Keep out of direct sunlight.
Store in original container.
Store in a cool, dry and well ventilated area.
Keep locked up.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/Type:



Butyl rubber.

Respiratory/Type:



NIOSH/MSHA approved air-purifying or air-supplied.

Eye/Type:



Safety glasses with side-shields.



Face shield.
Chemical safety goggles.

Footwear/Type: Impervious boots.

Clothing/Type:



Impervious apron.
Chemical resistant clothing.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: General ventilation usually adequate.
At least 10 air changes/hour recommended.

Exposure limit of material: Not available for mixture, see the ingredients section.

Ingredients:

C.A.S.	Ingredient Name	T.L.V.	OSHA-PEL TWA	STEL	ACGIH-TLV TWA	STEL	NIOSH STEL
100-41-4	ETHYLBENZENE	20 PPM	100 PPM/8H	125,000 PPM/15 MINUTES	100 PPM	125,000 PPM/15 MINUTES	125 PPM
1330-20-7	XYLENE	100 PPM	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Viscous.
Petroleum odour.
Clear, colourless.

Odor threshold (ppm): 1-20

pH: Not available.

Melting point (°C): Not available.

Boiling point (°C): 139°C-142°C

Freezing point (°C): -54°C

Flash point (°C), method: Tag Closed Cup.
26°C-29°C

Auto-ignition temperature (°C): 464°C-500°C

Explosive power: Not available.

Lower explosive limit: Not available.

Upper explosive limit: Not available.

Vapour pressure (mmHg): 2.5

Specific gravity @ 20 °C: 0.86

Density: 0.86 g/cm³.

Relative density: Not available.

Vapour density (air=1): 3.66

**Evaporation rate
(butyl acetate = 1):** Not available.

Solubility in water (%): Insoluble.

Coefficient of water/oil dist.: Not available.

Viscosity: Not available.

VOC: Not available.

Solid content: Not available.

Section 10: STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Conditions of instability: Heat, sparks & open flame.
Contact with incompatible substances.
Direct sunlight.
Poor ventilation.

Hazardous polymerization: Will not occur.

Incompatible substances: Halogens.
Nitric acid.
Sulfuric acid (H₂SO₄).
Strong oxidizing agents.
Molten sulphur.

Hazardous products of decomposition: See hazardous combustion products.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Eye contact: Moderate to severe irritation.
May cause blurred vision.
May cause redness and tearing.
May cause stinging.
May cause swelling.

Skin contact: May cause defatting.
May cause redness.
May cause drying and cracking.
Moderate irritation.

Skin absorption: Not available.

Inhalation: May cause respiratory irritation.
May cause breathing difficulty.
May cause coughing.

Ingestion: May cause nausea, vomiting and diarrhea.
May cause drowsiness.
May cause dizziness.
May affect the central nervous system.
Aspiration into lungs may cause chemical pulmonary congestion which can be fatal.

Effects of chronic exposure: May cause liver and kidney damage.
May aggravate an existing dermatitis.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).

Sensitization to product: Not available.

Carcinogenic effects: Ethylbenzene is classified as a possible carcinogen by IARC (group 2B).

Reproductive effects: May affect reproductive system.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Ingredients:

C.A.S.	Ingredient Name	LD/50	LC/50
100-41-4	ETHYLBENZENE	3500 MG/KG RAT ORAL >5000 MG/KG RABBIT DERMAL	4000 PPM/4H RABBIT INHALATION 55,000 MG/M3/2H RAT INHALATION 35,500 MG/M3/2H MOUSE INHALATION
1330-20-7	XYLENE	4300 MG/KG RAT ORAL 2119 MG/KG MOUSE ORAL >1700 MG/KG RABBIT DERMAL	5000 PPM/4 HR RAT INHALATION

Section 12: ECOLOGICAL INFORMATION

Environmental fate: May cause long-term adverse effects in the aquatic environment.

Environmental toxicity: Harmful to aquatic life with long lasting effects.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with municipal, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG classification: XYLENE SOLUTION
UN1307
Class 3
PG III.

DOT: XYLENE SOLUTION
UN1307
Class 3
PG III.

ICAO/IATA: XYLENE SOLUTION
UN1307
Class 3
PG III.

IMDG: XYLENE SOLUTION
UN1307
Class 3
PG III.



Special instructions: Not available.

Marine Pollutant: Not available.

Section 15: REGULATORY INFORMATION

DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

CERCLA reportable quantity: Not available.

TSCA inventory: Appears.

SARA Section 313: Not available.

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.
311/312: Delayed (Chronic) Health Hazard: Yes.
Fire Hazard: Yes.
Sudden Release of Pressure: No.
Reactive: No.

CA Proposition 65: Not available.

Health Hazard: 2*

Flammability: 3

Physical hazard: 0

NFPA Health Hazard: 2

NFPA Flammability: 3

NFPA Reactivity: 0

NFPA:



Section 16: OTHER INFORMATION

Data prepared by: Conform–Action Data Systems
A division of 2843471 Canada Inc.
1840 Transcanada, suite 101
Dorval, QC H9P 1H7
Tel: (514) 683–2060
Fax: (514) 683–1445
24 hr. 1–866–628–7522 support@netmsds.com.

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