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# Safety Data Sheet

## LH710 DTM NORMAL HARDENER

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### 1. Identification

**Product identifier used on the label**

**LH710 DTM NORMAL HARDENER**

**Recommended use of the chemical and restriction on use**

Recommended use\*: Paints, Coatings and Related Materials; for industrial use only  
Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

Company:

BASF Canada Inc.  
5025 Creekbank Road  
Building A, Floor 2  
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

**Emergency telephone number**

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: (800) 454-COPE (2673)

**Other means of identification**

Chemical family: Coating

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### 2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

**Classification of the product**

Skin Corr./Irrit.	2	Skin corrosion/irritation
Skin Sens.	1	Skin sensitization
Flam. Liq.	3	Flammable liquids
Aquatic Acute	3	Hazardous to the aquatic environment - acute

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Aquatic Chronic  
STOT SE

3  
3 (irritating to  
respiratory system)

Hazardous to the aquatic environment - chronic  
Specific target organ toxicity — single exposure

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P285	In case of inadequate ventilation wear respiratory protection.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P363	Wash contaminated clothing before reuse.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (see on this label).
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

### Hazards not otherwise classified

No applicable information available.

## 3. Composition / Information on Ingredients

### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

1,2,4-trimethylbenzene

CAS Number: 95-63-6  
Content (W/W):  $\geq 1.0 - < 3.0\%$   
Synonym: 1,2,4-Trimethylbenzene

cumene

CAS Number: 98-82-8  
Content (W/W):  $\geq 0.0 - < 0.1\%$   
Synonym: (1-Methylethyl)benzene; Isopropylbenzene, Cumene

ethylbenzene

CAS Number: 100-41-4  
Content (W/W):  $\geq 0.0 - < 0.1\%$   
Synonym: Ethylbenzene

2-ethylhexyl acetate

CAS Number: 103-09-3  
Content (W/W):  $\geq 3.0 - < 5.0\%$   
Synonym: Acetic acid 2-ethylhexyl ester

2-butoxyethyl acetate

CAS Number: 112-07-2  
Content (W/W):  $\geq 7.0 - < 10.0\%$   
Synonym: Butyl cellosolve acetate

n-Butyl acetate

CAS Number: 123-86-4  
Content (W/W):  $\geq 10.0 - < 15.0\%$   
Synonym: n-Butyl acetate

Propanoic acid, 3-ethoxy-, ethyl ester

CAS Number: 763-69-9  
Content (W/W):  $\geq 1.0 - < 3.0\%$   
Synonym: 3-Ethoxypropanoic acid ethyl ester; Ethyl 3-ethoxypropionate

Benzene, trimethyl-

CAS Number: 25551-13-7  
Content (W/W):  $\geq 1.0 - < 3.0\%$   
Synonym: Trimethylbenzene

Hexane, 1,6-diisocyanato-, homopolymer

CAS Number: 28182-81-2  
Content (W/W):  $\geq 20.0 - < 25.0\%$

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Synonym: 1,6-Diisocyanatohexane homopolymer

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer

CAS Number: 53880-05-0

Content (W/W):  $\geq 15.0$  -  $< 20.0\%$

Synonym: 5-Isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane homopolymer

Solvent naphtha (petroleum), light arom.

CAS Number: 64742-95-6

Content (W/W):  $\geq 3.0$  -  $< 5.0\%$

Synonym: No data available.

HDI-Oligomer(Trimer)

CAS Number: 28182-81-2

Content (W/W):  $\geq 15.0$  -  $< 20.0\%$

Synonym: No data available.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

#### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

#### If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

#### If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

*Information on: 1,2,4-trimethylbenzene*

*Symptoms: Overexposure may cause: headache, tiredness, nausea, anxiety, asthma, bronchitis, noncardiogenic pulmonary edema*

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*Information on: cumene*

*Symptoms: Overexposure may cause:, unconsciousness, coordination disorder, headache, dizziness*

*Information on: 2-ethylhexyl acetate*

*Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: 2-butoxyethyl acetate*

*Symptoms: Overexposure may cause:, vomiting, polyuria, renal failure, nausea, headache*

*Information on: Propanoic acid, 3-ethoxy-, ethyl ester*

*Symptoms: Overexposure may cause:, unconsciousness, vomiting, lethargy, nausea, headache, dizziness*

*Information on: Benzene, trimethyl-*

*Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Inhalation may provoke the following symptoms:, irritation of respiratory tract, coughing*

*Information on: Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer*

*Symptoms: No data available.*

*Information on: Solvent naphtha (petroleum), light arom.*

*Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Ingestion may provoke the following symptoms:, asphyxia, dyspnea, choking, respiratory arrest, circulatory collapse, death*

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

#### Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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### Further information:

Avoid water contamination in closed containers of confined areas, because carbon dioxide gas is generated. Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Dike spillage. Wash down spill area with decontamination solution. Spill area can be decontaminated with the following recommended decontamination solution: Allow solution to stand for at least 10 minutes. Remove containers to a safe place, cover loosely, and allow to stand for 24 to 48 hours before sealing and disposing. Shovel into open container. Add additional decontamination solution to waste container. Mixture of 80 % water and 20 % non-ionic surfactant, or 90 - 95 % water, 3 - 8 % concentrated ammonia and 2 % detergent.

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## 7. Handling and Storage

### Precautions for safe handling

Handle and open container with care. Avoid water contamination in closed containers of confined areas, because carbon dioxide gas is generated. WARNING: Empty containers may still contain hazardous residue. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing. Do not reseal container if contamination of the product is suspected. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Store in a well-ventilated place. Keep cool. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

### Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

### Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from metals. Segregate from strong acids. Keep away from water.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container tightly closed. Protect against moisture. Carbon dioxide gas can cause containers to expand and possibly rupture explosively. Store

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protected against freezing. Protect from direct sunlight. If moisture enters isocyanate containers, CO<sub>2</sub> forms and pressure builds up.

Storage stability:

Storage temperature: 25 - 35 °C

Consult local fire marshal for storage requirements.

Slow non-hazardous polymerization possible when at or exceeding maximum temperatures.

Protect from temperatures above: 49 °C

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

1,2,4-trimethylbenzene	ACGIH, US:	TWA value 25 ppm ;
cumene	OSHA Z1:	Skin Designation ; The substance can be absorbed through the skin.
	OSHA Z1:	PEL 50 ppm 245 mg/m <sup>3</sup> ;
	ACGIH, US:	TWA value 5 ppm ;
ethylbenzene	ACGIH, US:	TWA value 20 ppm ;
	OSHA Z1:	PEL 100 ppm 435 mg/m <sup>3</sup> ;
2-butoxyethyl acetate	ACGIH, US:	TWA value 20 ppm ;
n-Butyl acetate	ACGIH, US:	STEL value 150 ppm ;
	ACGIH, US:	TWA value 50 ppm ;
	OSHA Z1:	PEL 150 ppm 710 mg/m <sup>3</sup> ;
Benzene, trimethyl-	ACGIH, US:	TWA value 25 ppm ;

### **Advice on system design:**

Provide local exhaust ventilation to maintain recommended P.E.L.

### **Personal protective equipment**

Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. Respiratory protection equipment must be approved for use with isocyanates.

Hand protection:

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

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### Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

### Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	No data available.	
Odour threshold:	No applicable information available.	
Colour:	No applicable information available.	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
Boiling range:	126.11 - 198.89 °C	
Sublimation point:	No applicable information available.	
Flash point:	46.11 °C	(ASTM D3278)
Flammability:	No applicable information available.	
Lower explosion limit:	0.80 %(V)	
Upper explosion limit:	13.10 %(V)	
Autoignition:	No applicable information available.	
Vapour pressure:	6.34 mmHg ( 20 °C)	
Density:	1.0356 g/cm3 ( 20 °C)	(calculated)
Relative density:	1.0357 ( 20 °C)	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Thermal decomposition:	Risk of polymerization above the indicated temperature in the presence of moisture and isocyanate reactive substances.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	> 20.600 mm2/s	
Solubility in water:	No applicable information available.	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	No applicable information available.	
Evaporation rate:	No applicable information available.	

## 10. Stability and Reactivity

### Reactivity

No applicable information available.

### Chemical stability



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The product is chemically stable.

### Possibility of hazardous reactions

On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers. Reacts with water.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct contact with water. Avoid electrostatic discharge.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids, thiols, transition metal salts, water, amines, alcohols

### Hazardous decomposition products

Decomposition products:

nitrogen oxides, carbon dioxide, carbon monoxide, hydrogen cyanide

Thermal decomposition:

Risk of polymerization above the indicated temperature in the presence of moisture and isocyanate reactive substances.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Primary routes of entry

Solvents are absorbed through the skin.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion. Of very high toxicity after short-term inhalation.

#### *Information on: 1,2,4-trimethylbenzene*

*Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion. Of moderate toxicity after short-term inhalation. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.*

#### *Information on: cumene*

*Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.*

#### *Information on: ethylbenzene*

*Assessment of acute toxicity: Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Of low toxicity after single ingestion.*

#### *Information on: 2-butoxyethyl acetate*

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*Assessment of acute toxicity: Of moderate toxicity after single ingestion. Of moderate toxicity after short-term skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. The European Union (EU) has classified this substance as 'harmful' after inhalation.*

*Information on: Propanoic acid, 3-ethoxy-, ethyl ester*

*Assessment of acute toxicity: Of low toxicity after single ingestion. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. Of low toxicity after short-term skin contact.*

*Information on: Solvent naphtha (petroleum), light arom.*

*Assessment of acute toxicity: Virtually nontoxic after a single ingestion. No deaths at the highest dose tested after short-term inhalation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Of low toxicity after short-term skin contact.*

*Information on: HDI-Oligomer(Trimer)*

*Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Of moderate toxicity after short-term inhalation.*

### Oral

Type of value: LD50

Species: rat

Value: 1,880.000000 mg/kg

*Information on: 1,2,4-trimethylbenzene*

Type of value: LD50

Species: rat (male)

Value: 6,000 mg/kg (Directive 84/449/EEC, B.1)

*Information on: 2-butoxyethyl acetate*

Type of value: LD50

Species: rat (male/female)

Value: approx. 1,880 mg/kg (OECD Guideline 401)

*Information on: Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer*

*Information on: n-Butyl acetate*

Type of value: LD50

Species: rat (male/female)

Value: 10,736 mg/kg (other)

*Information on: Hexane, 1,6-diisocyanato-, homopolymer*

*Information on: solvent naphtha*

Type of value: LD50

Species: rat (male/female)

Value: > 5,000 mg/kg

No mortality was observed.

*Information on: 2-ethylhexyl acetate*

Type of value: LD50

Species: rat (male)

Value: 5,140 mg/kg (other)

Literature data.

*Information on: Propanoic acid, 3-ethoxy-, ethyl ester*

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Type of value: LD50  
Species: rat (female)  
Value: 4,309 mg/kg (OECD Guideline 401)  
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Inhalation  
Type of value: LC50  
Species: rat  
Value: 0.390000 mg/l

Information on: 1,2,4-trimethylbenzene  
Type of value: LC50  
Species: rat  
Value: > 10.2 mg/l (other)  
Exposure time: 4 h  
The vapour was tested.  
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: 2-butoxyethyl acetate  
Type of value: LC50  
Species: rat  
Value: > 400 ppm (OECD Guideline 403)  
Exposure time: 4 h  
The vapour was tested.  
No mortality was observed. Highest concentration technically achievable.

Information on: Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer  
Information on: n-Butyl acetate  
Type of value: LC50  
Species: rat (male/female)  
Value: > 21.1 mg/l (OECD Guideline 403)  
Exposure time: 4 h  
The vapour was tested.

Type of value: LC0  
Species: rat (male/female)  
Value: > 38.32 mg/l > 8000 ppm (other)  
Exposure time: 6 h  
The vapour was tested.

Information on: Hexane, 1,6-diisocyanato-, homopolymer  
Information on: solvent naphtha  
Type of value: LC50  
Species: rat (male/female)  
Value: > 5.6 mg/l (similar to OECD guideline 403)  
Exposure time: 4 h  
The vapour was tested.  
No mortality within the stated exposition time as shown in animal studies. Limit concentration test only (LIMIT test).

Information on: 2-ethylhexyl acetate  
No data available.

Information on: Propanoic acid, 3-ethoxy-, ethyl ester  
Type of value: LC50

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Species: rat (male)  
Value: (similar to OECD guideline 403)  
Exposure time: 6 h  
The vapour was tested.  
-----

### Dermal

Type of value: LD50  
Species: rabbit  
Value: 1,500.000000 mg/kg

### Assessment other acute effects

Assessment of STOT single:  
Causes temporary irritation of the respiratory tract.

### Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: 1,2,4-trimethylbenzene

Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: cumene

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes. Causes temporary irritation of the respiratory tract.

Information on: ethylbenzene

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes.

Information on: 2-ethylhexyl acetate

Assessment of irritating effects: Skin contact causes irritation. Not irritating to the eyes.

Information on: n-Butyl acetate

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.  
Not irritating to the skin. May cause slight irritation to the eyes.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: HDI-Oligomer(Trimer)

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes.  
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### Sensitization

Information on: HDI-Oligomer(Trimer)

Assessment of sensitization:  
Caused skin sensitization in animal studies.  
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### Aspiration Hazard

No applicable information available.

### **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### *Information on: ethylbenzene*

*Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause deafness after repeated inhalation. The substance may cause deafness after repeated ingestion.*

#### *Information on: 2-butoxyethyl acetate*

*Assessment of repeated dose toxicity: Damages blood cells. Due to the species specific mode of action, the effects are not expected to occur in humans.*

#### *Information on: n-Butyl acetate*

*Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.*

#### *Information on: Solvent naphtha (petroleum), light arom.*

*Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the liver after repeated ingestion.*

*Effects on the kidney of male rats were detected after repeated exposure. These effects are specific for the male rat and are known to be of no relevance to humans. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

#### *Information on: HDI-Oligomer(Trimer)*

*Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.*

### Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

#### *Information on: cumene*

*Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).*

#### *Information on: ethylbenzene*

*Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).*

### Teratogenicity

#### *Information on: Xylene*

*Assessment of teratogenicity: In animal studies the substance did not cause malformations.*

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### Medical conditions aggravated by overexposure

Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended. The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing.

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## 12. Ecological Information

### Additional information

Other ecotoxicological advice:

Acutely toxic for aquatic organisms.

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## 13. Disposal considerations

Waste disposal of substance:

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Must be disposed of or incinerated in accordance with local regulations.

### Container disposal:

WARNING: Empty containers may still contain hazardous residue.

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## 14. Transport Information

### Land transport

TDG

Hazard class:	3
Packing group:	III
ID number:	UN 1866
Hazard label:	3
Proper shipping name:	RESIN SOLUTION

### Sea transport

IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1866
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	RESIN SOLUTION

### Air transport

# Safety Data Sheet

## LH710 DTM NORMAL HARDENER

Revision date: 2022/08/04  
Version: 9.0

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(30234917/SDS\_GEN\_CA/EN)

IATA/ICAO

Hazard class: 3  
Packing group: III  
ID number: UN 1866  
Hazard label: 3  
Proper shipping name: RESIN SOLUTION

### 15. Regulatory Information

#### Federal Regulations

##### **Registration status:**

Chemical DSL, CA released; restriction on quantity / not listed

##### **NFPA Hazard codes:**

Health: 2 Fire: 2 Reactivity: 0 Special:

### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2022/08/04

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

END OF DATA SHEET