

SAFETY DATA SHEET

1. Identification

Material name: TREMPRO 659 CLEAR 30CTG Material: 659800 323

Recommended use and restriction on use

Recommended use: Sealant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number: EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Physical	Hazards	,

Flammable solid	Category 1	
Health Hazards		
Serious Eye Damage/Eye Irritation	Category 2B	
Carcinogenicity	Category 2	
Toxic to reproduction	Category 2	

Unknown toxicity - Health

Acute toxicity, oral	37.47 %
Acute toxicity, dermal	37.47 %
Acute toxicity, inhalation, vapor	99.64 %
Acute toxicity, inhalation, dust or mist	99.38 %

Environmental Hazards

Acute hazards to the aquatic	Category 3
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic environment	64 %
Chronic hazards to the aquatic environment	100 %



Label Elements

Hazard Symbol:

Signal Word:	Danger
Hazard Statement:	Flammable solid. Causes eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary Statements	
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/] equipment. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. In case of fire: Use to extinguish.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

CAS number Cor

Content in percent (%)*



Xylene	1330-20-7	15 - 40%
Ethylbenzene	100-41-4	5 - 10%
Toluene	108-88-3	0.1 - 1%
Butylated hydroxytoluene	128-37-0	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures				
Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.			
Inhalation:	Move to fresh air.			
Skin Contact:	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.			
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.			
Most important symptoms/effect	s, acute and delayed			
Symptoms:	Respiratory tract irritation.			
Indication of immediate medical a	ttention and special treatment needed			
Treatment:	Symptoms may be delayed.			
5. Fire-fighting measures				
General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.			
Suitable (and unsuitable) extingu	lishing media			
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.			
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.			
Special protective equipment and precautions for firefighters				
Special fire fighting procedures:	No data available.			
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.			



6. Accidental release measure	S
Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Methods and material for containment and cleaning up:	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Use mechanical ventilation in case of handling which causes formation of dust.
Conditions for safe storage, including any incompatibilities:	Store locked up. Store in a cool place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity Type Xylene STEL	Type Exposure Limit Values		Source	
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	655 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)



	ST ESL		350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07
				2011)
	ST ESL		80 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)
	AN ESL		42 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)
	AN ESL		180 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)
	STEL	150 ppm	655 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	Ceiling	300 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	TWA PEL	100 ppm	435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	TWA	100 ppm		US. ACGIH Threshold Limit Values (2011)
	STEL	150 ppm		US. ACGIH Threshold Limit Values (2011)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Ethylbenzene	TWA	20 ppm		US. ACGIH Threshold Limit Values (2011)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Toluene	TWA	20 ppm		US. ACGIH Threshold Limit Values (2011)
	TWA	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	Ceiling	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	MAX. CONC	500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
Butylated hydroxytoluene - Inhalable fraction and vapor.	TWA		2 mg/m3	US. ACGIH Threshold Limit Values (2011)

Chemical name	Туре	Exposure Lim	it Values	Source
Xylene	TWA	100 ppm	434 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
	STEL	150 ppm	651 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Xylene	TWA	100 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	STEL	150 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Xylene	TWA	100 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	150 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Xylene	STEL	150 ppm	651 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	100 ppm	434 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Ethylbenzene	TWA	20 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Ethylbenzene	TWA	20 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Ethylbenzene	STEL	125 ppm	543 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	100 ppm	434 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Toluene	TWA	20 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Toluene	TWA	20 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Toluene	TWA	50 ppm	188 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Xylene (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEI (03 2013)
Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEI (02 2014)
Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEI (03 2013)
Toluene (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEI (03 2013)
Toluene (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEI (03 2013)

Appropriate Engineering Controls

Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Individual protection measures, such as personal protective equipment

General information:	Use explosion-proof ventilation equipment. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance	
Physical state:	solid
Form:	Paste
Color:	Colorless
Odor:	Strong petroleum/solvent
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	Yes
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	0.92
Solubility(ies)	
Solubility in water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	

Reactivity:

No data available.

Chemical Stability:

Material is stable under normal conditions.



Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Heat, sparks, flames.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	
Information on likely routes of e Inhalation:	xposure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Causes mild skin irritation.
Eye contact:	Causes eye irritation.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Symptoms related to the physic	al, chemical and toxicological characteristics
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effe	ects
Acute toxicity (list all possible	e routes of exposure)
Oral Product:	ATEmix: 7,249.48 mg/kg
Dermal Product:	ATEmix: 12,753.13 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Toluene	LC 50 (Rat): 25.7 mg/l
Repeated dose toxicity	

No data available.



Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Xylene	in vivo (Rabbit): Moderate irritant Experimental result, Weight of Evidence study
Toluene	in vivo (Rabbit): Irritating Experimental result, Key study
Butylated hydroxytoluene	in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: Specified substance(s):	No data available.
Xylene	Rabbit, 24 hrs: Moderately irritating
Ethylbenzene	Rabbit, 7 d: Slightly irritating
Toluene	Rabbit, 24 - 72 hrs: Not irritating
Butylated hydroxytoluene	Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization Product: No data available.

Carcinogenicity	
Product:	Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Overall evaluation: Possibly carcinogenic to humans. Ethylbenzene

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Xylene	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality
Ethylbenzene	LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 4.2 mg/l Mortality
Toluene	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 20.5 - 23.8 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Ethylbenzene	EC 50 (Water flea (Daphnia magna), 48 h): 1.37 - 4.4 mg/l Intoxication



Toluene	LC 50 (Water flea (Daphnia magna), 24 h): 240 - 420 mg/l Mortality		
Butylated hydroxytoluene	EC 50 (Water flea (Daphnia pulex), 48 h): 1.44 mg/l Intoxication		
Chronic hazards to the aquatic environment:			
Fish Product:	No data available.		
Specified substance(s): Toluene	LOAEL (Oncorhynchus kisutch, 40 d): 2.77 mg/l Experimental result, Key study NOAEL (Pimephales promelas, 32 d): 4 mg/l Experimental result, Supporting study LOAEL (Pimephales promelas, 32 d): 6 mg/l Experimental result, Supporting study NOAEL (Oncorhynchus kisutch, 40 d): 1.39 mg/l Experimental result, Key study		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative potential Bioconcentration Factor (BC Product:	CF) No data available.		
Specified substance(s): Toluene	Green algae (Selenastrum capricornutum), Bioconcentration Factor (BCF): 3,016 (Static)		
Partition Coefficient n-octanol / w Product:	vater (log Kow) No data available.		
Specified substance(s): Xylene	Log Kow: 3.12 - 3.20		
Ethylbenzene	Log Kow: 3.15		
Toluene	Log Kow: 2.73		



Mobility in soil:	No data available.
Other adverse effects:	Harmful to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.

14. Transport information

TDG:

UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Xylene), 4.1, PG II

CFR / DOT:

UN3175, Solids containing flammable liquid, n.o.s. (Xylene), 4.1, PG II

IMDG:

UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Xylene), 4.1, PG II

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity	
Xylene	100 lbs.	
Ethylbenzene	1000 lbs.	
Toluene	1000 lbs.	

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity	
Xylene	100 lbs.	
Ethylbenzene	1000 lbs.	
Toluene	1000 lbs.	

SARA 311/312 Hazardous Chemical

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SARA 313 (TRI Reporting)

Chemical Identity Xylene Ethylbenzene

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Xylene Ethylbenzene

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Xylene Ethylbenzene

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Xylene Ethylbenzene

US. Rhode Island RTK

<u>Chemical Identity</u> Xylene Ethylbenzene



International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	330 g/l
VOC Method 310	:	35.89 %



Inventory Status: Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	One or more components in this product are not listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	11/30/2018
Version #:	1.1
Further Information:	No data available.



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.