Safety Data Sheet
MAPEBOND 710
Safety Data Sheet dated: 09/23/2021 - version 4
Date of first edition: 06/24/2016

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: MAPEBOND 710

Trade code: 9028253

Recommended use of the chemical and restrictions on use

Recommended use: Adhesive

Restrictions on use: Not available

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Responsible: RDProductSafety@mapei.com

Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Flam. Liq. 2	Highly flammable liquid and vapour.
Skin Irrit. 2	Causes skin irritation.
Eye Irrit. 2A	Causes serious eye irritation.
Repr. 2	Suspected of damaging fertility. Suspected of damaging the unborn child.
STOT SE 3	May cause drowsiness or dizziness.
STOT RE 2	May cause damage to organs through prolonged or repeated exposure if inhaled.
Aquatic Acute 3	Harmful to aquatic life.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms and Signal Word

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P235	Keep cool.

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P312	Call a POISON CENTER if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see supplementary instructions on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire, use a foam fire extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not available

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
10-20 %	toluene; 1-Methylbenzene	CAS:108-88-3 EC:203-625-9 Index:601-021-00-3	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Repr. 2, H361; STOT SE 3, H336; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Acute 2, H401; Aquatic Chronic 3, H412	
10-20 %	tert-butyl acetate; Acetic acid, 1, 1-dimethylethyl ester	CAS:540-88-5	Flam. Liq. 2, H225; Acute Tox. 4, H332; STOT SE 3, H336; Aquatic Acute 3, H402	
10-20 %	acetone; propan-2-one	CAS:67-64-1	Flam. Liq. 2, H225; Eye Irrit. 2A, H319; STOT SE 3, H336	
5-10 %	n-hexane; hexyl hydride	CAS:110-54-3 EC:203-777-6 Index:601-037-00-0	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Repr. 2, H361; STOT RE 2, H373; Aquatic Chronic 2, H411	
1-2.5 %	1-chloro-4-(trifluoromethyl)benzene; 4-chloro-a,a,a-trifluorotoluene	CAS:98-56-6 EC:202-681-1	Flam. Liq. 3, H226; STOT SE 3, H336; STOT RE 2, H373	N.A.

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

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7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature: Not available

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
toluene; 1-Methylbenzene	OSHA				200				
	ACGIH				20				A4 - Not Classifiable as a Human Carcinogen;female reproductive;pregnancy loss;visual impairment;
	OSHA		C				300		
	EU			192	50	384	100	Indicative	Possibility of significant uptake through the skin;
	MAK	GERMANY		190	50				
	ACGIH				20				A4 - Not Classifiable as a Human Carcinogen;female reproductive damage;pregnancy loss;visual impairment
	MAK	AUSTRIA		190	50	380	100		
	MAK	SWITZERLAND		190	50				
	EU			192	50	384	100	Indicative	Possibility of significant uptake through the skin
tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester	OSHA			950	200				
	ACGIH				200				eye and upper respiratory tract irritation;
	MAK	GERMANY		96	20				
	ACGIH				50		150		eye and upper respiratory tract irritation (listed under Butyl acetates, all isomers)
	MAK	AUSTRIA		96	20	96	20		
	MAK	SWITZERLAND		240	50				
	MAK	AUSTRIA	C			96	20		
acetone; propan-2-one	OSHA			2400	1000				
	ACGIH				500		750		A4 - Not Classifiable as a Human Carcinogen;CNS impairment;eye and upper respiratory tract

								irritation;hematologic effects;
	EU		1210	500			Indicative	
	MAK	GERMANY	1200	500				
	ACGIH			250		500		A4 - Not Classifiable as a Human Carcinogen;CNS impairment;eye and upper respiratory tract irritation
	MAK	AUSTRIA	1200	500	4800	2000		
	MAK	SWITZERLAND	1200	500				
n-hexane; hexyl hydride	OSHA		1800	500				
	ACGIH			50				Skin - potential significant contribution to overall exposure by the cutaneous route;CNS impairment;eye irritation;peripheral neuropathy;
	EU		72	20			Indicative	
	MAK	GERMANY	180	50				
	ACGIH			50				Skin - potential significant contribution to overall exposure by the cutaneous route;CNS impairment;eye irritation;peripheral neuropathy
	MAK	AUSTRIA	72	20	288	80		
	MAK	SWITZERLAND	180	50				

Biological Exposure Index

Component	CAS-No.	Value	UoM	Medium	Biological Indicator	Sampling Period
toluene; 1-Methylbenzene	108-88-3	0,02	mg/L	Blood	Toluene	Before last turn of the working week
		0,03	mg/L	Urine	Toluene	End of turn
		0,3	MGGCREAT	Urine	O-Cresol	End of turn
acetone; propan-2-one	67-64-1	50	mg/L	Urine	Acetone	End of turn
		25	mg/L	Urine	Acetone	End of turn
n-hexane; hexyl hydride	110-54-3	0,4	mg/L	Urine	Hexanedione	End of turn; End of working week
		0,5	mg/L	Urine	Hexanedione	End of turn

Appropriate engineering controls: Not available

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid
Appearance and colour: Blue
Odour: Like: Acetone
Odour 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: -6 °C (21 °F)
Evaporation rate: No data available
Upper/lower flammability or explosive limits: No data available
Vapour density: No data available
Vapour pressure: No data available
Relative density: 0.96 g/cm3
Solubility in water: No data available
Solubility in oil: 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
Explosive properties: No data available
Oxidizing properties: No data available
Solid/gas flammability: No data available

Other information

Substance Groups relevant properties No data available
Miscibility: No data available
Fat Solubility: No data available
Conductivity: No data available

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information of the main substances found in the product:

toluene; 1-Methylbenzene	a) acute toxicity	LD50 Skin Rabbit = 8390 mg/kg LC50 Inhalation Rat = 125 mg/l 4h LD50 Oral Rat = 636 mg/kg LD50 Skin Rat = 12124.00000 ml/kg LC50 Inhalation Rat > 26700.00000 ppm 1h LD50 Skin Rabbit = 12000 mg/kg LC50 Inhalation Rat = 12.5 mg/l 4h LD50 Oral Rat = 2600 mg/kg
tert-butyl acetate; Acetic	a) acute toxicity	LD50 Oral Rat = 4100 mg/kg

acid, 1,1-dimethylethyl ester		
		LC50 Inhalation Rat > 2230 mg/m3 4h
		LD50 Skin Rabbit > 2000 mg/kg
		LC50 Inhalation Rat > 9482 mg/m3 4h
acetone; propan-2-one	a) acute toxicity	LC50 Inhalation Rat = 50100 mg/m3 8h
		LD50 Skin Rabbit > 15700 mg/kg
		LC50 Inhalation Rat = 50100 mg/m3 8h
		LD50 Oral Rat = 5800 mg/kg
n-hexane; hexyl hydride	a) acute toxicity	LD50 Skin Rabbit = 3000 mg/kg
		LC50 Inhalation Rat = 48000 ppm 4h
		LD50 Oral Rat = 25 g/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

a) acute toxicity

b) skin corrosion/irritation

c) serious eye damage/irritation

d) respiratory or skin sensitisation

e) germ cell mutagenicity

f) carcinogenicity

g) reproductive toxicity

h) STOT-single exposure

Toxicological kinetics, metabolism and distribution information

i) STOT-repeated exposure

j) aspiration hazard

Substance(s) listed on the IARC Monographs:

toluene; 1-Methylbenzene Group 3

Substance(s) listed as OSHA Carcinogen(s):

None

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

None

12. ECOLOGICAL INFORMATION

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
toluene; 1-Methylbenzene	CAS: 108-88-3 - EINECS: 203-625-9 - INDEX: 601-021-00-3	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 11 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oryzias latipes = 54 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata > 433 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 15.22 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 12.6 mg/L 96h

		EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 5.89 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 14.1 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 5.8 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata = 28.2 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 50.87 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 5.46 mg/L 48h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 11.5 mg/L 48h IUCLID
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 12.5 mg/L 72h EPA
tert-butyl acetate; Acetic acid, 1, 1-dimethylethyl ester	CAS: 540-88-5	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 296 mg/L 96h EPA
acetone; propan-2-one	CAS: 67-64-1	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 6210 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 8300 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 10294 mg/L 48h EPA
		G : LC50 Avian Phasianus colchicus > 40000 ppm 5d IUCLID
		G : LC50 Avian Coturnix coturnix japonica > 40000 ppm 5d IUCLID
		d) Terrestrial toxicity : LC50 Worm Eisenia foetida 200 µg/cm2 48h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 4.74 mL/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 12600 mg/L 48h IUCLID
n-hexane; hexyl hydride	CAS: 110-54-3 - EINECS: 203-777-6 - INDEX: 601-037-00-0	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 2.1 mg/L 96h EPA

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN number

ADR-UN number: 1133
DOT-UN Number: UN1133
IATA-Un number: 1133
IMDG-Un number: 1133

UN proper shipping name

ADR-Shipping Name: ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 110 kPa)
DOT-Proper Shipping Name: Adhesives, containing a flammable liquid
IATA-Technical name: ADHESIVES containing flammable liquid
IMDG-Technical name: ADHESIVES containing flammable liquid

Transport hazard class(es)

ADR-Class: 3
DOT-Hazard Class: 3
IATA-Class: 3
IMDG-Class: 3

Packing group

ADR-Packing Group: II
DOT-Packing group: II
IATA-Packing group: II
IMDG-Packing group: II

Environmental hazards

Marine pollutant: No
Environmental Pollutant: Not available

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): 149, 383, B52, IB2, T4, TP1, TP8
DOT-Label(s): 3
DOT-Symbol: N/A
DOT-Cargo Aircraft: N/A
DOT-Passenger Aircraft: N/A
DOT-Bulk: N/A
DOT-Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR exempt: No
ADR-Label: 3
ADR-Hazard identification number: 33
ADR-Transport category (Tunnel restriction code): 2 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-Label: 3
IATA-Subsidiary hazards: -
IATA-Erg: 3L
IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category B
IMDG-Stowage Note: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisioning: -
IMDG-Page: N/A
IMDG-Label: N/A

IMDG-EMS: F-E, S-D
IMDG-MFAG: N/A

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

toluene; 1-Methylbenzene	is listed in TSCA	Section 8b
tert-butyl acetate; Acetic acid, 1, 1-dimethylethyl ester	is listed in TSCA	Section 8b Section 8a - PAIR
acetone; propan-2-one	is listed in TSCA	Section 8b
n-hexane; hexyl hydride	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

toluene; 1-Methylbenzene

tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester

acetone; propan-2-one

n-hexane; hexyl hydride

Section 313 - Toxic chemical list:

toluene; 1-Methylbenzene

n-hexane; hexyl hydride

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

toluene; 1-Methylbenzene	Reportable quantity:	1000	pounds
tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester	Reportable quantity:	5000	pounds
acetone; propan-2-one	Reportable quantity:	5000	pounds
n-hexane; hexyl hydride	Reportable quantity:	5000	pounds

CAA - Clean Air Act

CAA listed substances:

toluene; 1-Methylbenzene	is listed in CAA	Section 112(b) - HAP Section 112(b) - HON
acetone; propan-2-one	is listed in CAA	Section 112(b) - HON
n-hexane; hexyl hydride	is listed in CAA	Section 112(b) - HAP Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

toluene; 1-Methylbenzene	is listed in CWA	Section 307 Section 311
tert-butyl acetate; Acetic acid, 1, 1-dimethylethyl ester	is listed in CWA	Section 311

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

toluene; 1-Methylbenzene	Listed as reproductive toxicant
n-hexane; hexyl hydride	Listed as reproductive toxicant

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

toluene; 1-Methylbenzene

tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester

acetone; propan-2-one

n-hexane; hexyl hydride

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

toluene; 1-Methylbenzene

tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester

acetone; propan-2-one

n-hexane; hexyl hydride

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

toluene; 1-Methylbenzene

tert-butyl acetate; Acetic acid, 1,1-dimethylethyl ester

acetone; propan-2-one

n-hexane; hexyl hydride

Canada - Federal regulations

DSL - Domestic Substances List

DSL (Domestic Substances List)

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

NDSL (Non Domestic Substances List)

No substances listed

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

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16. OTHER INFORMATION

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Additional classification information

NFPA Health: 1 = Slight

NFPA Flammability: 3 = Flammable liquid

NFPA Reactivity: 1 = Slight

NFPA Special Risk: Not available

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 15. REGULATORY INFORMATION