LA-CO Industries, Inc.

Tempilaq® Advanced 700 °F (371 °C), 850 °F (454 °C)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD)

Date of issue: 01/20/2020 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Tempilaq® Advanced 700 °F (371 °C), 850 °F (454 °C)

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Coatings and paints, thinners, paint removers

Restrictions on use : No additional information available

1.3. Supplier

LA-CO Industries, Inc.
1201 Pratt Boulevard
Elk Grove Village, IL. 60007-5746
Phone: (847) 956-7600
Fax: (847) 956-9885
E-mail: customer_service@laco.com

1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
全国応急中心 0532 8388 9090

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Acute toxicity (inhalation:dust,mist) Category 4	H332 Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315 Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	H319 Causes serious eye irritation.
Carcinogenicity, Category 2	H351 Suspected of causing cancer.
Reproductive toxicity, Category 2	H361 Suspected of damaging fertility or the unborn child.
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412 Harmful to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS) :

Signal word (GHS) : Warning

Hazard statements (GHS) :
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H351 - Suspected of causing cancer.
H361 - Suspected of damaging fertility or the unborn child.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face 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.
P302+P352 - If on skin: Wash with plenty of 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/doctor if you feel unwell
P321 - Specific treatment (see supplemental first aid instruction 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.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS_US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
trans-dichloroethylene	(CAS-No.) 156-60-5	35 - 55	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 3, H412
Isopropanol	(CAS-No.) 67-63-0	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
potassium molybdate	(CAS-No.) 13446-49-6	0 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
dilithium molybdate	(CAS-No.) 13568-40-6	0 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Methyl nonafluoroisobutyl ether	(CAS-No.) 163702-08-7	1 - 7	Acute Tox. 4 (Inhalation), H332
Methyl nonafluorobutyl ether	(CAS-No.) 163702-07-6	1 - 7	Acute Tox. 4 (Inhalation), H332
Molybdenum trioxide	(CAS-No.) 1313-27-5	1 - 5	Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
lithium carbonate	(CAS-No.) 554-13-2	0 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
Toluene	(CAS-No.) 108-88-3	0.1 - <1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Suspected of damaging fertility or the unborn child. Suspected of causing cancer.

Symptoms/effects after inhalation	:	Harmful if inhaled. Dizziness. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	Causes serious eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Carbon dioxide. dry extinguishing powder. Large fires: Water spray. alcohol resistant foam.
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Not flammable. Flammable vapours may accumulate in the container. Burning produces irritating, toxic and noxious fumes.
Explosion hazard	:	Heat may build pressure, rupturing closed containers.
Reactivity	:	No dangerous reactions known.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Avoid contact with skin, eyes and clothing. Do not breathe vapour. Do not breathe aerosol.

6.1.1. For non-emergency personnel

Protective equipment	:	Refer to section 8.2.
Emergency procedures	:	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	:	Refer to section 8.2.
Emergency procedures	:	Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	:	Ventilate area.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe aerosol. Do not breathe vapours.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety procedures. Use drum pumps, do not pour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Keep only in the original container. Keep container tight closed.
Incompatible products	:	Alkali metals. Alkaline earth metals. Powdered metallic salts. Strong bases.

Incompatible materials	:	Sources of ignition. Direct sunlight.
Storage temperature	:	< 37.8 °C
Heat and ignition sources	:	Keep away from heat, sparks and flame.
Storage area	:	Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

potassium molybdate (13446-49-6)

Not applicable

Molybdenum trioxide (1313-27-5)

Not applicable

lithium carbonate (554-13-2)

Not applicable

Toluene (108-88-3)

ACGIH	Local name	Toluene
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Visual impair; female repro; pregnancy loss; A4; BEI
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
OSHA	Remark (OSHA)	(2) See Table Z-2.
NIOSH	NIOSH REL (TWA) (mg/m³)	375 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m³)	560 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm

Methyl nonafluoroisobutyl ether (163702-08-7)

Not applicable

Methyl nonafluorobutyl ether (163702-07-6)

Not applicable

trans-dichloroethylene (156-60-5)

ACGIH	Local name	1,2-Dichloroethylene, trans-isomer
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: CNS impair; eye irr
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	790 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

Isopropanol (67-63-0)

ACGIH	Local name	2-Propanol
ACGIH	ACGIH TWA (mg/m³)	490 mg/m³
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (mg/m³)	960 mg/m³
ACGIH	ACGIH STEL (ppm)	400 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	980 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm

Isopropanol (67-63-0)		
NIOSH	NIOSH REL (STEL) (mg/m³)	1225 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	500 ppm

dilithium molybdate (13568-40-6)
Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid splashing. Avoid creating mist or spray. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

Environmental exposure controls : Prevent leakage or spillage.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. neoprene/butyl rubber

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Supplied air respirator if working in a confined area. Handling large quantities of product: Wear a self contained breathing apparatus.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Opaque liquid.
Colour	:	brown Blue
Odour	:	mild characteristic
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 100 °C
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility	:	Insoluble.
Log Pow	:	No data available
Auto-ignition temperature	:	No data available

Decomposition temperature	:	No data available
Viscosity, kinematic	:	1,000 mm²/s
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Alkali metals. Alkaline earth metals. Powdered metallic salts. Strong bases.

10.6. Hazardous decomposition products

None under normal use. Under fire conditions, hazardous fumes will be present. Fluorinated hydrocarbons. Hydrogen fluoride. Carbon oxides (CO, CO2). hydrogen chloride. Carbonyl fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Harmful if inhaled.

ATE (dust,mist)	2.334 mg/l/4h

Molybdenum trioxide (1313-27-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 3.92 mg/l/4h

lithium carbonate (554-13-2)	
LD50 oral rat	525 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h
ATE (oral)	525 mg/kg bodyweight

Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg EU Method B.
LC50 inhalation rat (mg/l)	> 20 mg/l/4h OECD Guideline 403
ATE (oral)	5580 mg/kg bodyweight

Methyl nonafluoroisobutyl ether (163702-08-7)	
ATE (gases)	4500 ppmv/4h
ATE (vapours)	11 mg/l/4h
ATE (dust,mist)	1.5 mg/l/4h

Methyl nonafluorobutyl ether (163702-07-6)	
ATE (gases)	4500 ppmv/4h
ATE (vapours)	11 mg/l/4h
ATE (dust,mist)	1.5 mg/l/4h

trans-dichloroethylene (156-60-5)	
LD50 oral rat	7902 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	95.4 mg/l/4h
ATE (oral)	7902 mg/kg bodyweight
ATE (gases)	4500 ppmv/4h
ATE (vapours)	11 mg/l/4h
ATE (dust,mist)	1.5 mg/l/4h

Isopropanol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	16.4 ml/kg
LC50 inhalation rat (ppm)	> 10000 ppm/4h
ATE (oral)	5840 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Toluene (108-88-3)	
IARC group	3 - Not classifiable

Isopropanol (67-63-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not classified.

potassium molybdate (13446-49-6)	
STOT-single exposure	May cause respiratory irritation.

Molybdenum trioxide (1313-27-5)	
STOT-single exposure	May cause respiratory irritation.

Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

Isopropanol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

dilithium molybdate (13568-40-6)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Toluene (108-88-3)	
LOAEC (inhalation, rat, gas, 90 days)	1250 ppmv/6h/day
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight/day EU Method B.26.
NOAEC (inhalation, rat, gas, 90 days)	300 ppmv/6h/day OECD Guideline 453
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : 0.349 mm²/s

Likely routes of exposure : Inhalation. Skin and eye contact.
Symptoms/effects : Suspected of damaging fertility or the unborn child. Suspected of causing cancer.

Symptoms/effects after inhalation	:	Harmful if inhaled. Dizziness. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Molybdenum trioxide (1313-27-5)	
LC50 fish 1	≥ 43.3 (≤ 58) mg/l
NOEC (chronic)	> 87.8 mg/l

lithium carbonate (554-13-2)	
LC50 fish 1	30.3 mg/l 96 h
EC50 crustacea	33.2 mg/l 48 h

Toluene (108-88-3)	
LC50 fish 1	5.5 mg/l
EC50 Daphnia 2	3.78 mg/l
ErC50 (algae)	134 mg/l
LOEC (chronic)	2.77 mg/l
NOEC chronic fish	1.39 mg/l
NOEC chronic crustacea	0.74 mg/l

trans-dichloroethylene (156-60-5)	
LC50 fish 1	135 mg/l 96 h
EC50 crustacea	220 mg/l 48 h

Isopropanol (67-63-0)	
LC50 fish 1	10000 mg/l

12.2. Persistence and degradability

Tempilaq® Advanced 700 °F (371 °C), 850 °F (454 °C)	
Persistence and degradability	May cause long-term adverse effects in the environment.

Toluene (108-88-3)	
Persistence and degradability	Readily biodegradable.

trans-dichloroethylene (156-60-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	95 % 28 d

Isopropanol (67-63-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Tempilaq® Advanced 700 °F (371 °C), 850 °F (454 °C)	
Bioaccumulative potential	Not established.

Toluene (108-88-3)	
Bioconcentration factor (BCF REACH)	90
Log Kow	2.73

trans-dichloroethylene (156-60-5)	
Log Pow	2.06

Isopropanol (67-63-0)	
Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

Tempilaq® Advanced 700 °F (371 °C), 850 °F (454 °C)	
Ecology - soil	Not established.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transportation of Dangerous Goods

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Toluene (108-88-3)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb

Methyl nonafluoroisobutyl ether (163702-08-7)	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.

Methyl nonafluorobutyl ether (163702-07-6)	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.

trans-dichloroethylene (156-60-5)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	1000 lb

Isopropanol (67-63-0)	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 311/312 Hazard Classes	Fire hazard

15.2. International regulations

CANADA

potassium molybdate (13446-49-6)
Listed on the Canadian NDSL (Non-Domestic Substances List)

Molybdenum trioxide (1313-27-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.

lithium carbonate (554-13-2)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Toluene (108-88-3)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Methyl nonafluoroisobutyl ether (163702-08-7)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Methyl nonafluorobutyl ether (163702-07-6)
Listed on the Canadian DSL (Domestic Substances List) inventory.

trans-dichloroethylene (156-60-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Isopropanol (67-63-0)
Listed on the Canadian DSL (Domestic Substances List) inventory.

dilithium molybdate (13568-40-6)
Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

potassium molybdate (13446-49-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Molybdenum trioxide (1313-27-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

lithium carbonate (554-13-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Toluene (108-88-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Isopropanol (67-63-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

dilithium molybdate (13568-40-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

potassium molybdate (13446-49-6)
Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Not listed on Phillipines Inventory of Chemicals and Chemical Substances (PICCS)

Molybdenum trioxide (1313-27-5)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECI (Korean Existing Chemicals Inventory) Listed on Taiwan National Chemical Inventory Listed on the AICS (Australian Inventory of Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

lithium carbonate (554-13-2)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List)

Toluene (108-88-3)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Isopropanol (67-63-0)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECI (Korean Existing Chemicals Inventory) Listed on Taiwan National Chemical Inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on NZIoC (New Zealand Inventory of Chemicals)

dilithium molybdate (13568-40-6)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on Taiwan National Chemical Inventory Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Not listed on the AICS (Australian Inventory of Chemical Substances) Not listed on New Zealand - Inventory of Chemicals (NZIoC).

15.3. US State regulations

⚠ **WARNING:** This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
lithium carbonate(554-13-2)	X					
1-[(2,4-dinitrophenyl)azo]-2-naphthol C.I. Pigment Orange 5(3468-63-1)	X					
Toluene(108-88-3)		X				7000 µg/day (oral); 13000 µg/day (inhalation)
Benzene(71-43-2)	X	X	X		6.4 µg/day (oral); 13 µg/day (inhalation)	24 µg/day (oral); 49 µg/day (inhalation)

Component	State or local regulations
lithium carbonate(554-13-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities

Component	State or local regulations
Toluene(108-88-3)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Isopropanol(67-63-0)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
trans-dichloroethylene(156-60-5)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html. ACGIH (American Conference of Government Industrial Hygienists).

Other information : None.

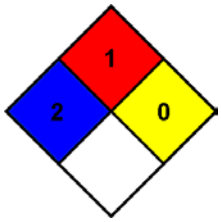
Full text of H-statements:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

	CAS (Chemical Abstracts Service) number
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	OSHA: Occupational Safety & Health Administration
	TSCA: Toxic Substances Control Act
	ATE: Acute Toxicity Estimate
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	European List of Waste (LoW) code
	LD50: Lethal Dose for 50% of the test population
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average

NFPA health hazard	:	2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	:	1 - Materials that must be preheated before ignition can occur.
NFPA reactivity	:	0 - Normally stable, even under fire exposure conditions, and not reactive with water.



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