

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

Issue date: 01/21/2020

Revision date: 03/10/2020

Version: 2.0

SECTION 1: Identification

1.1. Identification

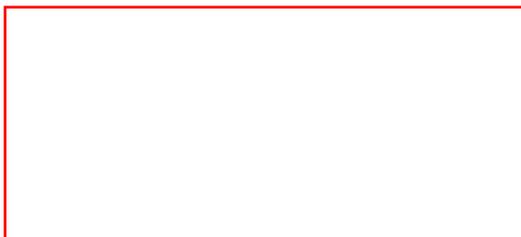
Product form : Mixture
Product name : Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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;
全国应急中心 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. |
| Serious eye damage/eye irritation, Category 2A | H319 Causes serious eye irritation. |
| Reproductive toxicity, Category 2 | H361 Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 May cause damage to organs through prolonged or repeated exposure. |
| 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) : H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
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.

Precautionary statements (GHS) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
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.
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
P314 - Get medical advice/attention if you feel unwell.

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

P337+P313 - If eye irritation persists: Get medical advice/attention.

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 |
| adipic acid | (CAS-No.) 124-04-9 | 15 - 25 | Eye Irrit. 2A, H319 |
| Isopropanol | (CAS-No.) 67-63-0 | 10 - 20 | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336 |
| 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 |
| Toluene | (CAS-No.) 108-88-3 | 0.5 - 1.5 | 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. May cause damage to organs through prolonged or repeated exposure. |
| 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 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. |

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

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.

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

adipic acid (124-04-9)

| | | |
|-------|------------|-------------|
| ACGIH | Local name | Adipic acid |
|-------|------------|-------------|

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

| adipic acid (124-04-9) | | |
|--|---------------------------------------|--|
| ACGIH | ACGIH TWA (mg/m ³) | 5 mg/m ³ |
| ACGIH | Remark (ACGIH) | URT irr; ANS impair |
| 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/m ³) | 375 mg/m ³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |
| NIOSH | NIOSH REL (STEL) (mg/m ³) | 560 mg/m ³ |
| NIOSH | NIOSH REL (STEL) (ppm) | 150 ppm |
| Isopropanol (67-63-0) | | |
| ACGIH | Local name | 2-Propanol |
| ACGIH | ACGIH TWA (mg/m ³) | 490 mg/m ³ |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (mg/m ³) | 960 mg/m ³ |
| ACGIH | ACGIH STEL (ppm) | 400 ppm |
| ACGIH | Remark (ACGIH) | Eye & URT irr; CNS impair |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 980 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 400 ppm |
| NIOSH | NIOSH REL (TWA) (mg/m ³) | 980 mg/m ³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 400 ppm |
| NIOSH | NIOSH REL (STEL) (mg/m ³) | 1225 mg/m ³ |
| NIOSH | NIOSH REL (STEL) (ppm) | 500 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/m ³) | 790 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |

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.

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

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 | : red orange |
| 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) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 1000 mm ² /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.

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

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) | 2.304 mg/l/4h |
| adipic acid (124-04-9) | |
| LD50 oral rat | 5560 mg/kg |
| LD50 dermal rabbit | 7940 ml/kg |
| LC50 inhalation rat (mg/l) | > 7.7 mg/l/4h |
| ATE (oral) | 5560 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 |
| 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 |
| ATE (dermal) | 16400 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 |

Skin corrosion/irritation : Not classified

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

| | |
|-----------------------------------|----------------------------------|
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| 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 |

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

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

| | |
|------------------------|--|
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

| adipic acid (124-04-9) | |
|-------------------------------|--------------------------|
| NOAEL (oral, rat, 90 days) | 750 mg/kg bodyweight/day |

| 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 | : 1000 mm ² /s |
| Likely routes of exposure | : Inhalation. Skin and eye contact. |
| Symptoms/effects | : Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. |
| 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 eye contact | : Causes serious eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| adipic acid (124-04-9) | |
|-------------------------------|------------------|
| LC50 fish 1 | ≥ 1000 mg/l 96 h |
| EC50 crustacea | 46 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 |

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

| trans-dichloroethylene (156-60-5) | |
|--|---------------|
| LC50 fish 1 | 135 mg/l 96 h |

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

trans-dichloroethylene (156-60-5)

| | |
|----------------|---------------|
| EC50 crustacea | 220 mg/l 48 h |
|----------------|---------------|

12.2. Persistence and degradability

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

| | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

adipic acid (124-04-9)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

| | |
|----------------|----------|
| Biodegradation | 90 % 5 d |
|----------------|----------|

Toluene (108-88-3)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

Isopropanol (67-63-0)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

trans-dichloroethylene (156-60-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

| | |
|----------------|-----------|
| Biodegradation | 95 % 28 d |
|----------------|-----------|

12.3. Bioaccumulative potential

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

adipic acid (124-04-9)

| | |
|------------|-------|
| BCF fish 1 | 3.162 |
|------------|-------|

| | |
|---------|-------|
| Log Pow | 0.093 |
|---------|-------|

Toluene (108-88-3)

| | |
|-------------------------------------|----|
| Bioconcentration factor (BCF REACH) | 90 |
|-------------------------------------|----|

| | |
|---------|------|
| Log Kow | 2.73 |
|---------|------|

Isopropanol (67-63-0)

| | |
|---------------------------|--------------------------------|
| Bioaccumulative potential | Not expected to bioaccumulate. |
|---------------------------|--------------------------------|

trans-dichloroethylene (156-60-5)

| | |
|---------|------|
| Log Pow | 2.06 |
|---------|------|

12.4. Mobility in soil

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

| | |
|----------------|------------------|
| 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.

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

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

| | |
|---|--|
| adipic acid (124-04-9) | |
| CERCLA RQ | 5000 lb |
| Toluene (108-88-3) | |
| Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| 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 |
| 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 |

15.2. International regulations

CANADA

| | |
|--|--|
| adipic acid (124-04-9) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Toluene (108-88-3) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Isopropanol (67-63-0) | |
| 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. | |

EU-Regulations

| | |
|--|--|
| adipic acid (124-04-9) | |
| 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) | |

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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)

Isopropanol (67-63-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

adipic acid (124-04-9)

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 Korean ECL (Existing Chemicals List)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).

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)

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) |
|-------------------|-----------------|------------------------|----------------------------|------------------------------|---|---|
| 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 |
|----------------------------------|--|
| adipic acid(124-04-9) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List |
| 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

Tempilaq® Advanced 300 °F (149 °C) Red, Tempilaq® Advanced 325 °F (163 °C) Orange

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| | |
|-------------------|--|
| Revision date | : 03/10/2020 |
| 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. |

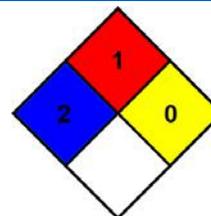
Full text of H-statements:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| 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. |
| 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. |



Indication of changes:

Added. Product.

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.