

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

SECTION 1. IDENTIFICATION

Product name : SELF-ETCHING PRIMER, Grey, 340 g

Product code : 890.91701

Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : Würth Canada Limited

Address : 345 Hanlon Creek Blvd
GUELPH, ON N1C 0A1

Telephone : +1 (905) 564 6225

Telefax : +1 (905) 564 3671

Emergency telephone : Emergencies involving a spill, fire, explosion or exposure:
CHEMTREC (24/7): 1-800-424-9300
Transport related emergencies:
CANUTEC (24/7): 1-613-996-6666 or * 666 (cell)

Urgences impliquant un déversement, incendie, explosion ou exposition:
CHEMTREC (24/7): 1-800-424-9300
Urgences liées au transport:
CANUTEC (24/7): 1-613-996-6666 ou * 666 (cellulaire)

E-mail address : prodsafe@wurth.ca

Recommended use of the chemical and restrictions on use

Recommended use : Primers

Restrictions on use : Not applicable

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Flammable aerosols : Category 1

Gases under pressure : Liquefied gas

Eye irritation : Category 2A

Skin sensitization : Category 1

Carcinogenicity : Category 2

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Specific target organ toxicity : Category 3
- single exposure

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

Precautionary Statements :

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
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 attention.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P337 + P313 If eye irritation persists: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F).

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
 Date of first issue: 10/02/2019

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

| Chemical name | Common Name/Synonym | CAS-No. | Concentration (% w/w) |
|---|---|------------|-----------------------|
| Acetone | 2-Propanone | 67-64-1 | $\geq 30 - < 60$ * |
| Liquified petroleum gas (LPG) | Petroleum gases, liquefied | 68476-85-7 | $\geq 10 - < 30$ * |
| tert-Butyl acetate | Acetic acid, 1,1-dimethylethyl ester | 540-88-5 | $\geq 5 - < 10$ * |
| Isobutyl methyl ketone | 4-Methylpentan-2-one | 108-10-1 | $\geq 5 - < 10$ * |
| Isobutyl acetate | Acetic acid, 2-methylpropyl ester | 110-19-0 | $\geq 5 - < 10$ * |
| Talc | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 14807-96-6 | $\geq 5 - < 10$ * |
| Butanone | Ethyl methyl ketone | 78-93-3 | $\geq 1 - < 5$ * |
| Titanium dioxide | Titanic anhydride | 13463-67-7 | $\geq 1 - < 5$ * |
| Ethylethoxypropionate | Propanoic acid, 3-ethoxy-, ethyl ester | 763-69-9 | $\geq 1 - < 5$ * |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | Phenol, 4,4'-(1-methylethylene)bis-, polymer with 2-(chloromethyl)oxirane | 25068-38-6 | $\geq 0.1 - < 1$ * |

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.
 Get medical attention.

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

- In case of skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Prolonged or repeated contact may dry skin and cause irritation.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
- Notes to physician : Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.
- Hazardous combustion products : Carbon oxides
Chlorine compounds
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
- Environmental precautions : Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapors/mists with a water spray jet.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
-

SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.
If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.
- Advice on safe handling : Do not get on skin or clothing.
Avoid breathing spray.
Do not swallow.
Do not get in eyes.
Wash skin thoroughly after handling.
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as-
-

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
 Date of first issue: 10/02/2019

assessment

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharges.

Take care to prevent spills, waste and minimize release to the environment.

Do not spray on an open flame or other ignition source.

Conditions for safe storage : Store locked up.
 Keep in a cool, well-ventilated place.
 Store in accordance with the particular national regulations.
 Do not pierce or burn, even after use.
 Keep cool. Protect from sunlight.

Materials to avoid : Do not store with the following product types:
 Self-reactive substances and mixtures
 Organic peroxides
 Oxidizing agents
 Flammable solids
 Pyrophoric liquids
 Pyrophoric solids
 Self-heating substances and mixtures
 Substances and mixtures which in contact with water emit flammable gases
 Explosives
 Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------------------------|------------|----------------------------------|--|-----------|
| Acetone | 67-64-1 | TWA | 500 ppm 1,200 mg/m ³ | CA AB OEL |
| | | STEL | 750 ppm 1,800 mg/m ³ | CA AB OEL |
| | | TWA | 250 ppm | CA BC OEL |
| | | STEL | 500 ppm | CA BC OEL |
| | | TWAEV | 500 ppm 1,190 mg/m ³ | CA QC OEL |
| | | STEV | 1,000 ppm 2,380 mg/m ³ | CA QC OEL |
| | | TWA | 250 ppm | ACGIH |
| | | STEL | 500 ppm | ACGIH |
| Liquified petroleum gas (LPG) | 68476-85-7 | TWA | 1,000 ppm | CA AB OEL |
| | | STEL | 1,500 ppm | CA AB OEL |
| | | TWAEV | 1,000 ppm 1,800 mg/m ³ | CA QC OEL |
| tert-Butyl acetate | 540-88-5 | TWA | 200 ppm 950 mg/m ³ | CA AB OEL |
| | | TWAEV | 50 ppm | CA QC OEL |

SELF-ETCHING PRIMER, Grey, 340 g
Version
4.0Revision Date:
10/10/2022SDS Number:
4996036-00005Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

| | | | | |
|------------------------|------------|---|----------------------------------|-----------|
| | | STEV | 150 ppm | CA QC OEL |
| | | TWA | 50 ppm | CA BC OEL |
| | | STEL | 150 ppm | CA BC OEL |
| | | TWA | 50 ppm | ACGIH |
| | | STEL | 150 ppm | ACGIH |
| Isobutyl methyl ketone | 108-10-1 | TWA | 50 ppm 205 mg/m ³ | CA AB OEL |
| | | STEL | 75 ppm 307 mg/m ³ | CA AB OEL |
| | | TWA | 20 ppm | CA BC OEL |
| | | STEL | 75 ppm | CA BC OEL |
| | | TWAEV | 20 ppm | CA QC OEL |
| | | STEV | 75 ppm | CA QC OEL |
| | | TWA | 20 ppm | ACGIH |
| | | STEL | 75 ppm | ACGIH |
| Isobutyl acetate | 110-19-0 | TWA | 150 ppm 713 mg/m ³ | CA AB OEL |
| | | TWAEV | 50 ppm | CA QC OEL |
| | | STEV | 150 ppm | CA QC OEL |
| | | TWA | 50 ppm | CA BC OEL |
| | | STEL | 150 ppm | CA BC OEL |
| | | TWA | 50 ppm | ACGIH |
| | | STEL | 150 ppm | ACGIH |
| Talc | 14807-96-6 | TWAEV (respirable dust) | 2 mg/m ³ | CA QC OEL |
| | | TWA (Res- pirable par- ticulates) | 2 mg/m ³ | CA AB OEL |
| | | TWA (Res- pirable) | 2 mg/m ³ | CA BC OEL |
| | | TWA | 2 fibres per cubic centimeter | CA ON OEL |
| | | TWA (Res- pirable frac- tion) | 2 mg/m ³ | CA ON OEL |
| | | TWA (Respi- rable particu- late matter) | 2 mg/m ³ | ACGIH |
| Butanone | 78-93-3 | TWA | 200 ppm 590 mg/m ³ | CA AB OEL |
| | | STEL | 300 ppm 885 mg/m ³ | CA AB OEL |
| | | TWA | 50 ppm | CA BC OEL |
| | | STEL | 100 ppm | CA BC OEL |
| | | TWAEV | 50 ppm 150 mg/m ³ | CA QC OEL |
| | | STEV | 100 ppm 300 mg/m ³ | CA QC OEL |
| | | TWA | 200 ppm | ACGIH |
| | | STEL | 300 ppm | ACGIH |
| Titanium dioxide | 13463-67-7 | TWA | 10 mg/m ³ | CA AB OEL |
| | | TWA (Total | 10 mg/m ³ | CA BC OEL |

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
 Date of first issue: 10/02/2019

| | | | | |
|-----------------------|----------|-------------------------------------|---|-----------|
| | | dust) | | |
| | | TWA (respirable dust fraction) | 3 mg/m ³ | CA BC OEL |
| | | TWAEV (total dust) | 10 mg/m ³ | CA QC OEL |
| | | TWA (Respirable particulate matter) | 2.5 mg/m ³ (Titanium dioxide) | ACGIH |
| | | TWA (Respirable particulate matter) | 0.2 mg/m ³ (Titanium dioxide) | ACGIH |
| Ethylethoxypropionate | 763-69-9 | TWA | 50 ppm 300 mg/m ³ | CA ON OEL |

Biological occupational exposure limits

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|------------------------|----------|------------------------|---------------------|--|---------------------------|-----------|
| Butanone | 78-93-3 | methyl ethyl ketone | Urine | End of shift (As soon as possible after exposure ceases) | 2 mg/l | ACGIH BEI |
| Acetone | 67-64-1 | Acetone | Urine | End of shift (As soon as possible after exposure ceases) | 25 mg/l | ACGIH BEI |
| Isobutyl methyl ketone | 108-10-1 | methyl isobutyl ketone | Urine | End of shift (As soon as possible after exposure ceases) | 1 mg/l | ACGIH BEI |

Engineering measures

- : Minimize workplace exposure concentrations.
- If sufficient ventilation is unavailable, use with local exhaust ventilation.
- If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.
- Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m³ - total dust, 5 mg/m³ - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

soluble) Not Otherwise Specified of 3 mg/m³ - respirable particles, 10 mg/m³ - inhalable particles.

Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Self-contained breathing apparatus

Hand protection

Material : butyl-rubber
Break through time : <= 202 min
Glove thickness : 0.14 - 0.3 mm

Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection : Wear the following personal protective equipment:
Safety goggles

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Wear the following personal protective equipment:
If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
When using do not eat, drink or smoke.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol

Propellant : Liquified petroleum gas (LPG)

Color : gray

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Odor : characteristic

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : > 79 °C

Flash point : -9 °C
Flash point is only valid for liquid portion in the aerosol can.

Evaporation rate : Not applicable

Flammability (solid, gas) : Extremely flammable aerosol.

Upper explosion limit / Upper flammability limit : 11.5 %(V)

Lower explosion limit / Lower flammability limit : 1 %(V)

Vapor pressure : 55 - 60 hPa (20 °C)

Relative vapor density : > 1

Density : 1.126 g/cm³ (20 °C)

Solubility(ies)
Water solubility : insoluble

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : 333 °C

Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : Not applicable

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

SECTION 10. STABILITY AND REACTIVITY

- Reactivity : Not classified as a reactivity hazard.
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : Extremely flammable aerosol.
Vapors may form explosive mixture with air.
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.
Can react with strong oxidizing agents.
- Conditions to avoid : Heat, flames and sparks.
- Incompatible materials : Oxidizing agents
- Hazardous decomposition products : No hazardous decomposition products are known.
-

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

- Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Components:**Acetone:**

- Acute oral toxicity : LD50 (Rat): 5,800 mg/kg
- Acute inhalation toxicity : LC50 (Rat): 76 mg/l
Exposure time: 4 h
Test atmosphere: vapor
- Acute dermal toxicity : LD50 (Rabbit): 7,426 mg/kg

Liquified petroleum gas (LPG):

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Acute inhalation toxicity : LC50 (Mouse): 520400 ppm
Exposure time: 2 h
Test atmosphere: gas
Remarks: Based on data from similar materials

tert-Butyl acetate:

Acute oral toxicity : LD50 (Rat): 4,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 15 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Isobutyl methyl ketone:

Acute oral toxicity : LD50 (Rat): 2,080 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 11 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: Expert judgment

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Isobutyl acetate:

Acute oral toxicity : LD50 (Rat): 13,413 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 21.1 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403

LC50 (Rat): 21.2 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 17,400 mg/kg

Talc:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Remarks: Based on data from similar materials

Butanone:

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg
Remarks: Based on data from similar materials

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Acute inhalation toxicity : LC50 (Rat): > 25.5 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 436
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Titanium dioxide:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 6.82 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Ethylethoxypropionate:

Acute oral toxicity : LD50 (Rat): 4,309 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): 4,080 mg/kg

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 420
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Components:**Acetone:**

Assessment : Repeated exposure may cause skin dryness or cracking.

tert-Butyl acetate:

Species : Rabbit
Result : No skin irritation

Assessment : Repeated exposure may cause skin dryness or cracking.

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Isobutyl methyl ketone:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Assessment : Repeated exposure may cause skin dryness or cracking.

Isobutyl acetate:

Species : Rabbit
Result : No skin irritation
Remarks : Based on data from similar materials

Assessment : Repeated exposure may cause skin dryness or cracking.
Remarks : Based on national or regional regulation.

Talc:

Species : Rabbit
Result : No skin irritation

Butanone:

Assessment : Repeated exposure may cause skin dryness or cracking.

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Based on data from similar materials

Titanium dioxide:

Species : Rabbit
Result : No skin irritation

Ethylethoxypropionate:

Species : Rabbit
Result : No skin irritation

Assessment : Repeated exposure may cause skin dryness or cracking.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Result : Skin irritation
Remarks : Based on national or regional regulation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:**Acetone:**

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Method : OECD Test Guideline 405

tert-Butyl acetate:

Species : Rabbit
Result : No eye irritation

Isobutyl methyl ketone:

Species : Human
Result : Irritation to eyes, reversing within 21 days

Isobutyl acetate:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405
Remarks : Based on data from similar materials

Talc:

Species : Rabbit
Result : No eye irritation

Butanone:

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days
Method : OECD Test Guideline 405

Titanium dioxide:

Species : Rabbit
Result : No eye irritation

Ethylethoxypropionate:

Species : Rabbit
Result : No eye irritation

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700):

Result : Irritation to eyes, reversing within 21 days
Remarks : Based on national or regional regulation.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Components:**Acetone:**

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Result : negative

tert-Butyl acetate:

Test Type : Buehler Test
Routes of exposure : Skin contact
Species : Guinea pig
Result : negative

Isobutyl methyl ketone:

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : negative

Isobutyl acetate:

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : negative

Talc:

Routes of exposure : Skin contact
Species : Humans
Result : negative

Butanone:

Test Type : Buehler Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : negative

Titanium dioxide:

Test Type : Local lymph node assay (LLNA)
Routes of exposure : Skin contact
Species : Mouse
Result : negative

Ethylethoxypropionate:

Test Type : Freund's complete adjuvant test
Routes of exposure : Skin contact
Species : Guinea pig

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Result : negative

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : positive

Assessment : Probability or evidence of skin sensitization in humans

Germ cell mutagenicity

Not classified based on available information.

Components:**Acetone:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Test Type: Chromosome aberration test in vitro
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Ingestion
Result: negative

Liquified petroleum gas (LPG):

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Rat
Application Route: inhalation (gas)
Method: OECD Test Guideline 474
Result: negative

tert-Butyl acetate:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Test Type: Chromosome aberration test in vitro

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Method: OECD Test Guideline 473

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
 Species: Rat
 Application Route: inhalation (vapor)
 Method: OECD Test Guideline 474
 Result: negative

Isobutyl methyl ketone:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
 Result: negative

Test Type: In vitro mammalian cell gene mutation test

Result: equivocal

Test Type: Chromosome aberration test in vitro

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
 Species: Mouse
 Application Route: Intraperitoneal injection
 Method: OECD Test Guideline 474
 Result: negative

Isobutyl acetate:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
 Method: OECD Test Guideline 471
 Result: negative

Test Type: In vitro mammalian cell gene mutation test

Result: negative

Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
 Species: Mouse
 Application Route: Ingestion
 Method: OECD Test Guideline 474
 Result: negative
 Remarks: Based on data from similar materials

Talc:

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Genotoxicity in vitro : Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)
Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro
Species: Rat
Application Route: Ingestion
Result: negative

Butanone:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: Chromosome aberration test in vitro
Result: negative

Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)
Result: negative

Test Type: Saccharomyces cerevisiae, gene mutation assay (in vitro)
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Intraperitoneal injection
Result: negative

Titanium dioxide:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Result: negative

Ethylethoxypropionate:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: equivocal

Test Type: Chromosome aberration test in vitro

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Result: positive

Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Ingestion
Result: negative

Carcinogenicity

Suspected of causing cancer.

Components:
Acetone:

Species : Mouse
Application Route : Skin contact
Exposure time : 424 days
Result : negative

Liquified petroleum gas (LPG):

Species : Mouse
Application Route : inhalation (gas)
Exposure time : 103 weeks
Result : negative
Remarks : Based on data from similar materials

tert-Butyl acetate:

Species : Rat
Application Route : Ingestion
Exposure time : 2 Years
Result : negative
Remarks : Based on data from similar materials

Isobutyl methyl ketone:

Species : Rat
Application Route : inhalation (vapor)
Exposure time : 2 Years
Method : OECD Test Guideline 451
Result : positive

Species : Mouse
Application Route : inhalation (vapor)
Exposure time : 2 Years
Method : OECD Test Guideline 451
Result : positive

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

II**Talc:**

Species : Mouse
Application Route : inhalation (dust/mist/fume)
Exposure time : 2 Years
Result : negative

Titanium dioxide:

Species : Rat
Application Route : inhalation (dust/mist/fume)
Exposure time : 2 Years
Method : OECD Test Guideline 453
Result : positive
Remarks : The mechanism or mode of action may not be relevant in humans.

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in inhalation studies with animals.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700):

Species : Rat
Application Route : Ingestion
Exposure time : 24 Months
Method : OECD Test Guideline 453
Result : negative

Species : Mouse
Application Route : Skin contact
Exposure time : 24 Months
Method : OECD Test Guideline 453
Result : negative

Reproductive toxicity

Not classified based on available information.

Components:**Acetone:**

Effects on fertility : Test Type: One-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: inhalation (vapor)
Result: negative

tert-Butyl acetate:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Species: Rat
Application Route: inhalation (vapor)
Method: OPPTS 870.3650
Result: negative

Effects on fetal development : Test Type: Reproduction/Developmental toxicity screening test
Species: Rat
Application Route: inhalation (vapor)
Method: OPPTS 870.3650
Result: negative

Isobutyl methyl ketone:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: inhalation (vapor)
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: inhalation (vapor)
Result: negative

Isobutyl acetate:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: inhalation (vapor)
Method: OPPTS 870.3800
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Inhalation
Result: negative
Remarks: Based on data from similar materials

Talc:

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: negative

Butanone:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Application Route: Inhalation
Method: OECD Test Guideline 414
Result: negative

Ethylethoxypropionate:

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: inhalation (vapor)
Result: negative

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 416
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rabbit
Application Route: Skin contact
Result: negative

STOT-single exposure

May cause drowsiness or dizziness.

Components:**Acetone:**

Assessment : May cause drowsiness or dizziness.

Liquified petroleum gas (LPG):

Assessment : May cause drowsiness or dizziness.

tert-Butyl acetate:

Assessment : May cause respiratory irritation.

Assessment : May cause drowsiness or dizziness.

Isobutyl methyl ketone:

Assessment : May cause drowsiness or dizziness.

Isobutyl acetate:

Assessment : May cause drowsiness or dizziness.
Remarks : Based on data from similar materials

Butanone:

Assessment : May cause drowsiness or dizziness.

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
 Date of first issue: 10/02/2019

STOT-repeated exposure

Not classified based on available information.

Components:

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Assessment : No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

Repeated dose toxicity
Components:
Acetone:

Species : Rat
 NOAEL : 900 mg/kg
 LOAEL : 1,700 mg/kg
 Application Route : Ingestion
 Exposure time : 90 Days

Species : Rat
 NOAEL : 45 mg/l
 Application Route : inhalation (vapor)
 Exposure time : 8 Weeks

Liquified petroleum gas (LPG):

Species : Rat
 NOAEL : 10000 ppm
 Application Route : inhalation (gas)
 Exposure time : 13 Weeks

tert-Butyl acetate:

Species : Mouse
 NOAEL : 1.9 mg/l
 Application Route : inhalation (vapor)
 Exposure time : 13 Weeks

Isobutyl methyl ketone:

Species : Rat
 NOAEL : 250 mg/kg
 LOAEL : 1,000 mg/kg
 Application Route : Ingestion
 Exposure time : 13 Weeks

Species : Rat
 NOAEL : 4.106 mg/l
 Application Route : inhalation (vapor)
 Exposure time : 14 Weeks

Isobutyl acetate:

Species : Rat

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

NOAEL : > 100 mg/kg
Application Route : Ingestion
Exposure time : 92 Days
Remarks : Based on data from similar materials

Species : Rat
NOAEL : > 2.4 mg/l
Application Route : inhalation (vapor)
Exposure time : 13 Weeks
Remarks : Based on data from similar materials

Butanone:

Species : Rat
NOAEL : 14.84 mg/l
Application Route : inhalation (vapor)
Exposure time : 90 Days
Method : OECD Test Guideline 413

Titanium dioxide:

Species : Rat
NOAEL : 24,000 mg/kg
Application Route : Ingestion
Exposure time : 28 Days

Species : Rat
NOAEL : 10 mg/m³
Application Route : inhalation (dust/mist/fume)
Exposure time : 2 y

Ethylethoxypropionate:

Species : Rat
NOAEL : 1,000 mg/kg
Application Route : Ingestion
Exposure time : 29 Days
Method : OECD Test Guideline 407

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Species : Rat
NOAEL : 50 mg/kg
LOAEL : 250 mg/kg
Application Route : Ingestion
Exposure time : 90 Days
Method : OECD Test Guideline 408

Species : Mouse
NOAEL : >= 100 mg/kg
Application Route : Skin contact
Exposure time : 13 Weeks
Method : OECD Test Guideline 411

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Aspiration toxicity

Not classified based on available information.

Components:**Acetone:**

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

Isobutyl methyl ketone:

|| The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

Butanone:

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Acetone:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5,540 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 8,800 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 7,000 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): >= 79 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC50: 61,150 mg/l
Exposure time: 30 min
Method: ISO 8192

tert-Butyl acetate:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 240 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 350 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic : ErC50 (Pseudokirchneriella subcapitata (green algae)): 16
-

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

plants

mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 2.3 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Isobutyl methyl ketone:

| | | |
|--|---|---|
| Toxicity to fish | : | LC50 (Danio rerio (zebra fish)): > 179 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 200 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 30 mg/l Exposure time: 21 d |

Isobutyl acetate:

| | | |
|--|---|--|
| Toxicity to fish | : | LC50 (Oryzias latipes (Japanese medaka)): 16.6 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 24.6 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EL50 (Pseudokirchneriella subcapitata (green algae)): 397 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 |
| | | NOELR (Pseudokirchneriella subcapitata (green algae)): 196 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 23.2 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 |
| Toxicity to microorganisms | : | EC10 (Pseudomonas putida): 487 mg/l Exposure time: 6 h |

Talc:

| | | |
|------------------|---|---|
| Toxicity to fish | : | LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l Exposure time: 24 h |
|------------------|---|---|

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Butanone:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2,993 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 308 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 2,029 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201
- NOEC (Pseudokirchneriella subcapitata (green algae)): 1,240 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

Titanium dioxide:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): > 10,000 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC50: > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Ethylethoxypropionate:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 55.3 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 479.7 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 114.86 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- NOEC (Pseudokirchneriella subcapitata (green algae)): 114.86 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Toxicity to microorganisms : NOEC: 500 mg/l
Exposure time: 16 h

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 1 - 10 mg/l
Exposure time: 96 h
Test substance: Water Accommodated Fraction
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h
Test substance: Water Accommodated Fraction
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : EL50 (Scenedesmus capricornutum (fresh water algae)): > 10 - 100 mg/l
Exposure time: 72 h
Test substance: Water Accommodated Fraction
Remarks: Based on data from similar materials

NOELR (Scenedesmus capricornutum (fresh water algae)): > 1 mg/l
Exposure time: 72 h
Test substance: Water Accommodated Fraction
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 0.1 - 1 mg/l
Exposure time: 21 d
Remarks: Based on data from similar materials

Toxicity to microorganisms : IC50: > 100 mg/l
Exposure time: 3 h
Remarks: Based on data from similar materials

Persistence and degradability**Components:****Acetone:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 91 %
Exposure time: 28 d

Liquified petroleum gas (LPG):

Biodegradability : Result: Readily biodegradable.
Biodegradation: 70 %

tert-Butyl acetate:

Biodegradability : Result: Not readily biodegradable.

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Biodegradation: 50 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Isobutyl methyl ketone:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 83 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Isobutyl acetate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 81 %
Exposure time: 20 d

Butanone:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 98 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Ethylethoxypropionate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 18 d
Method: OECD Test Guideline 301B

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Bioaccumulative potential**Components:****Acetone:**

Partition coefficient: n-octanol/water : log Pow: -0.27 - -0.23

Liquified petroleum gas (LPG):

Partition coefficient: n-octanol/water : log Pow: 1.09

tert-Butyl acetate:

Partition coefficient: n-octanol/water : Pow: 1.64

SELF-ETCHING PRIMER, Grey, 340 g

Version 4.0 Revision Date: 10/10/2022 SDS Number: 4996036-00005 Date of last issue: 06/09/2022
Date of first issue: 10/02/2019

Isobutyl methyl ketone:

Partition coefficient: n-octanol/water : log Pow: 1.9

Isobutyl acetate:

Partition coefficient: n-octanol/water : log Pow: 2.3

Butanone:

Partition coefficient: n-octanol/water : log Pow: 0.3

Ethylethoxypropionate:

Partition coefficient: n-octanol/water : log Pow: 1.47

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Partition coefficient: n-octanol/water : log Pow: 3.5

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. Please ensure aerosol cans are sprayed completely empty (including propellant)

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number : UN 1950

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

Proper shipping name : AEROSOLS
 Class : 2.1
 Packing group : Not assigned by regulation
 Labels : 2.1

IATA-DGR

UN/ID No. : UN 1950
 Proper shipping name : Aerosols, flammable
 Class : 2.1
 Packing group : Not assigned by regulation
 Labels : Flammable Gas
 Packing instruction (cargo aircraft) : 203
 Packing instruction (passenger aircraft) : 203

IMDG-Code

UN number : UN 1950
 Proper shipping name : AEROSOLS
 Class : 2.1
 Packing group : Not assigned by regulation
 Labels : 2.1
 EmS Code : F-D, S-U
 Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation
TDG

UN number : UN 1950
 Proper shipping name : AEROSOLS
 Class : 2.1
 Packing group : Not assigned by regulation
 Labels : 2.1
 ERG Code : 126
 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

Volatile organic compounds (VOC) content CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 - Guidelines for VOC in Consumer Products
 VOC content: 90 % / 407 g/l
 Remarks: VOC content excluding water and exempt compounds

The ingredients of this product are reported in the following inventories:

DSL : All chemical substances in this product comply with the CEPA

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

SECTION 16. OTHER INFORMATION
Full text of other abbreviations

| | | |
|--------------------|---|---|
| ACGIH | : | USA. ACGIH Threshold Limit Values (TLV) |
| ACGIH BEI | : | ACGIH - Biological Exposure Indices (BEI) |
| CA AB OEL | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| CA BC OEL | : | Canada. British Columbia OEL |
| CA ON OEL | : | Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act. |
| CA QC OEL | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| CA AB OEL / TWA | : | 8-hour Occupational exposure limit |
| CA AB OEL / STEL | : | 15-minute occupational exposure limit |
| CA BC OEL / TWA | : | 8-hour time weighted average |
| CA BC OEL / STEL | : | short-term exposure limit |
| CA ON OEL / TWA | : | Time-Weighted Average Limit (TWA) |
| CA QC OEL / TWA EV | : | Time-weighted average exposure value |
| CA QC OEL / STEV | : | Short-term exposure value |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Sub-

SELF-ETCHING PRIMER, Grey, 340 g

| | | | |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06/09/2022 |
| 4.0 | 10/10/2022 | 4996036-00005 | Date of first issue: 10/02/2019 |

stances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 10/10/2022
Date format : mm/dd/yyyy

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CA / Z8