

SAFETY DATA SHEET

Section 1. Identification

Product identifier : ACID
Product name : ACID #8 1K ETCH PRIMER GREY
Other means of identification : ACID/1

Date of issue : 4/21/2026
Version : 2.07

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Coating component.
Uses advised against : Not for sale to or use by consumers.

Supplier's details : U-POL US Inc.
 50 Applied Bank Blvd.
 Suite 300
 Glen Mills, Pennsylvania 19342
 T (610) 746 7081
 technicalsupport@u-pol.com
 (855) 6-AXALTA

Product information

Emergency telephone number : CHEMTREC: +44 (0) 870 8200418 (24 hrs)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
 SKIN IRRITATION - Category 2
 SERIOUS EYE DAMAGE - Category 1
 CARCINOGENICITY - Category 2
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements

Hazard pictograms



Signal word : Danger

Section 2. Hazards identification

Hazard statements	: H226 - Flammable liquid and vapor. H315 - Causes skin irritation. H318 - Causes serious eye damage. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure.
<u>Precautionary statements</u>	
Prevention	: P201 - Obtain special instructions before use. P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
Response	: P308 + P313 - IF exposed or concerned: Get medical advice or attention. P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.
Hazards identified when used	: No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: ACID/1

Ingredient name	Synonyms	%	Identifiers
Normal butyl alcohol	n-butanol; 1-Butanol; n-BUTYL ALCOHOL; n-Propyl carbinol; 1-Hydroxybutane; Butyl alcohol; mixture, containing by weight: - 30 % or more, but not more than 40 % of a copolymer of vinyl methyl ether and monobutyl maleate, - 10 % or more, but not more than 20 % of a copolymer of vinyl methyl ether and monoethyl maleate, - 40 % or more, but not more than 55 % of ethanol, - 1 % or more, but not more than 7 % of 1-butanol; 1-Butanol (I); n-Butyl alcohol (I); METHYLOLPROPANE; Butyl hydroxide	≥15 - ≤40	CAS: 71-36-3

Section 3. Composition/information on ingredients

XYLENE	Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed isomers, pure; xylene, crude; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); Benzene, dimethyl-; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene	≥10 - ≤30	CAS: 1330-20-7
1-methoxy-2-propanol	monopropylene glycol methyl ether; 1-methoxypropan-2-ol; 2-Propanol, 1-methoxy-; Propylene glycol monomethyl ether; Dowtherm 209; Propylene glycol methyl ether; 1-Methoxy-2-hydroxypropane; 2-Methoxy-1-methylethanol; PGME; methoxyisopropanol; α-propylene glycol 1-methyl ether	≥10 - ≤30	CAS: 107-98-2
titanium dioxide	Titanium oxide; Titanium oxide (TiO ₂); Titanium peroxide; Rutile; C.I. Pigment White 6	≥5 - ≤10	CAS: 13463-67-7
ethylbenzene	Benzene, ethyl-; Phenylethane; Ethylbenzol; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); EB; Mono-(or di-) methyl (ethyl,bromoallyl, bromopropyl,oxycarbonyl orchloropropyl,oxycarbonyl) benzene	≥3 - ≤7	CAS: 100-41-4
2-methylpropan-1-ol	iso-butanol; 1-Propanol, 2-methyl-; Isobutyl alcohol; Isobutanol; 2-Methyl-1-propanol; Isopropylcarbinol; IBA; i-Butyl alcohol; catalyst consisting predominantly of dinonylnaphthalenedisulphonic acid in the form of a solution in isobutanol; isobutanol; isobutanol; Isobutyl alcohol (I,T)	≥1 - ≤5	CAS: 78-83-1
carbon black, non respirable	Lampblack; Acetylene black; C.I.	≥0.1 - ≤1	CAS: 1333-86-4

Section 3. Composition/information on ingredients

	77266; C.I. Pigment Black 6; C.I. Pigment Black 7; Charcoal		
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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
- Skin contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

Section 4. First aid measures

- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

Specific hazards arising from the chemical : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
phosphorus oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Storage code : IC

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Normal butyl alcohol	<p>NIOSH REL (United States, 10/2020) Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m³.</p> <p>CAL OSHA PEL (United States, 1/2025) Absorbed through skin. C: 150 mg/m³. C: 50 ppm.</p> <p>OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 300 mg/m³.</p> <p>OSHA PEL 1989 (United States, 3/1989) Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m³.</p> <p>ACGIH TLV (United States, 1/2024) TWA 8 hours: 20 ppm.</p>
XYLENE	<p>CAL OSHA PEL (United States, 1/2025) [xylene] STEL 15 minutes: 655 mg/m³. STEL 15 minutes: 150 ppm. C: 300 ppm. TWA 8 hours: 435 mg/m³. TWA 8 hours: 100 ppm.</p> <p>OSHA PEL (United States, 5/2018) [Xylenes] TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.</p> <p>OSHA PEL 1989 (United States, 3/1989) [Xylenes (o-, m-, p-isomers)] TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 655 mg/m³.</p> <p>ACGIH TLV (United States, 1/2024) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant. TWA 8 hours: 20 ppm.</p>
1-methoxy-2-propanol	<p>NIOSH REL (United States, 10/2020)</p>

Section 8. Exposure controls/personal protection

titanium dioxide

TWA 10 hours: 100 ppm.
TWA 10 hours: 360 mg/m³.
STEL 15 minutes: 150 ppm.
STEL 15 minutes: 540 mg/m³.

CAL OSHA PEL (United States, 1/2025)

Absorbed through skin.
STEL 15 minutes: 540 mg/m³.
STEL 15 minutes: 150 ppm.
TWA 8 hours: 360 mg/m³.
TWA 8 hours: 100 ppm.

OSHA PEL 1989 (United States, 3/1989)

TWA 8 hours: 100 ppm.
TWA 8 hours: 360 mg/m³.
STEL 15 minutes: 150 ppm.
STEL 15 minutes: 540 mg/m³.

ACGIH TLV (United States, 1/2024) A4.

TWA 8 hours: 50 ppm.
TWA 8 hours: 184 mg/m³.
STEL 15 minutes: 100 ppm.
STEL 15 minutes: 369 mg/m³.

NIOSH REL (United States, 10/2020) NIA.

CAL OSHA PEL (United States, 1/2025)

TWA 8 hours: 5 mg/m³ (as Ti). Form: respirable fraction.
TWA 8 hours: 10 mg/m³ (as Ti). Form: total dust.

OSHA PEL (United States, 5/2018)

TWA 8 hours: 15 mg/m³. Form: Total dust.

OSHA PEL 1989 (United States, 3/1989)

TWA 8 hours: 10 mg/m³. Form: Total dust.

ACGIH TLV (United States, 1/2024) A3.

TWA 8 hours: 2.5 mg/m³. Form: respirable fraction, finescale particles.

ethylbenzene

NIOSH REL (United States, 10/2020)

TWA 10 hours: 100 ppm.
TWA 10 hours: 435 mg/m³.
STEL 15 minutes: 125 ppm.
STEL 15 minutes: 545 mg/m³.

CAL OSHA PEL (United States, 1/2025)

STEL 15 minutes: 130 mg/m³.
STEL 15 minutes: 30 ppm.
TWA 8 hours: 22 mg/m³.
TWA 8 hours: 5 ppm.

OSHA PEL (United States, 5/2018)

TWA 8 hours: 100 ppm.
TWA 8 hours: 435 mg/m³.

OSHA PEL 1989 (United States, 3/1989)

TWA 8 hours: 100 ppm.
TWA 8 hours: 435 mg/m³.
STEL 15 minutes: 125 ppm.
STEL 15 minutes: 545 mg/m³.

ACGIH TLV (United States, 1/2024) A3.

Ototoxicant.
TWA 8 hours: 20 ppm.

2-methylpropan-1-ol

NIOSH REL (United States, 10/2020)

Section 8. Exposure controls/personal protection

<p>carbon black, non respirable</p>	<p>TWA 10 hours: 50 ppm. TWA 10 hours: 150 mg/m³. CAL OSHA PEL (United States, 1/2025) TWA 8 hours: 150 mg/m³. TWA 8 hours: 50 ppm. OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 300 mg/m³. OSHA PEL 1989 (United States, 3/1989) TWA 8 hours: 50 ppm. TWA 8 hours: 150 mg/m³. ACGIH TLV (United States, 1/2024) TWA 8 hours: 50 ppm. TWA 8 hours: 152 mg/m³. NIOSH REL (United States, 10/2020) NIA. TWA 10 hours: 3.5 mg/m³. TWA 10 hours: 0.1 mg/m³ (as cyclohexane-extractable fraction). CAL OSHA PEL (United States, 1/2025) TWA 8 hours: 3.5 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 3.5 mg/m³. OSHA PEL 1989 (United States, 3/1989) TWA 8 hours: 3.5 mg/m³. ACGIH TLV (United States, 1/2024) A3. TWA 8 hours: 3 mg/m³. Form: Inhalable fraction.</p>
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Biological exposure indices

Ingredient name	Exposure indices
<p>XYLENE</p> <p>ethylbenzene</p>	<p>ACGIH BEI (United States, 1/2024) [xylenes (technical or commercial grades)] BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.</p> <p>ACGIH BEI (United States, 1/2024) BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.</p>

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Gray.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point/freezing point** : Technically not possible to measure
- Boiling point or initial boiling point and boiling range** : 100 to 200°C (212 to 392°F)
- Flash point** : Closed cup: 23°C (73.4°F)
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Lower: 1%
Upper: 13.7%
- Vapor pressure** : 0.72 kPa (5.37 mm Hg)

Section 9. Physical and chemical properties

Relative vapor density	: Not available.
Relative density	: Not available.
Density	: 1.035 g/cm ³
Solubility in water	: Not available.
Miscible with water	: Yes.
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: 270°C (518°F)
Decomposition temperature	: Not applicable.
Viscosity	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): Not available.

Particle characteristics

Median particle size	: Not applicable.
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Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

Normal butyl alcohol

Result

Rat - Oral - LD50

790 mg/kg

Toxic effects: Liver - Fatty liver degeneration Kidney, Ureter, and Bladder - Other changes Blood - Other changes

Rabbit - Dermal - LD50

3400 mg/kg

Rat - Inhalation - LC50 Vapor

24000 mg/m³ [4 hours]

XYLENE

Rat - Oral - LD50

4300 mg/kg

Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes

Section 11. Toxicological information

1-methoxy-2-propanol	<p>Rat - Inhalation - LC50 Gas. 5000 ppm [4 hours] Rabbit - Dermal - LD50 13 g/kg Rat - Oral - LD50 6600 mg/kg <u>Toxic effects:</u> Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea</p>
ethylbenzene	<p>Rat - Oral - LD50 3500 mg/kg <u>Toxic effects:</u> Liver - Other changes Kidney, Ureter, and Bladder - Other changes Rabbit - Dermal - LD50 >5000 mg/kg Rat - Oral - LD50 2460 mg/kg Rabbit - Dermal - LD50 3400 mg/kg Rat - Oral - LD50 >15400 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity)</p>
2-methylpropan-1-ol	
carbon black, non respirable	

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

Normal butyl alcohol

Result

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

Rat - Skin - Mild irritant

Duration of treatment/exposure: 8 hours

Amount/concentration applied: 60 uL

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Skin - Moderate irritant

Amount/concentration applied: 100 %

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 15 mg

1-methoxy-2-propanol

ethylbenzene

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

Result

Section 11. Toxicological information

Normal butyl alcohol

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.005 Ml

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 1.62 mg

Rabbit - Eyes - Cornea opacity

OECD [Acute Eye Irritation/Corrosion]

Observation period: 7 days

Irritation score: 2.11

Not reversible

XYLENE

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 87 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
XYLENE	-	3	-
titanium dioxide	-	2B	-
ethylbenzene	-	2B	-
carbon black, non respirable	-	2B	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
Normal butyl alcohol	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
XYLENE	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
1-methoxy-2-propanol	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
2-methylpropan-1-ol	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Product/ingredient name	Result
XYLENE	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact	: Causes serious eye damage.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	: Causes skin irritation.
Ingestion	: Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

Section 11. Toxicological information

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Result

Not available.

Conclusion/Summary [Product] : Not available.

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
ACID 8 ETCH PRIMER (OPTACD)	2561.9	3705.5	24020.5	210.9	N/A
Normal butyl alcohol	790	3400	N/A	24	N/A
XYLENE	4300	1100	5000	N/A	N/A
1-methoxy-2-propanol	6600	13000	N/A	N/A	N/A
ethylbenzene	3500	N/A	N/A	11	N/A
2-methylpropan-1-ol	2460	3400	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Normal butyl alcohol

Result

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*
Age: 33 days; Size: 20.6 mm; Weight: 0.119 g
 1730 mg/l [96 hours]
Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*
Age: 6 to 24 hours
 1983 mg/l [48 hours]
Effect: Intoxication

XYLENE

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*
Age: 31 days; Size: 18.4 mm; Weight: 0.077 g
 13.4 mg/l [96 hours]
Effect: Mortality

EC50

Crustaceans - *Penaeus monodon*
 3.82 mg/l [48 hours]

1-methoxy-2-propanol

Acute - LC50

OECD 203
 Fish - Trout
 ≥1000 mg/l [96 hours]

Acute - LC50

OECD 202
 Daphnia - Daphnia
 >21100 mg/l [48 hours]

titanium dioxide

Acute - LC50 - Marine water

Fish - Mummichog - *Fundulus heteroclitus*
 >1000 mg/l [96 hours]
Effect: Mortality

ethylbenzene

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii
Age: 2 to 3
 13.3 mg/l [48 hours]
Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Raphidocelis subcapitata*
 3600 µg/l [96 hours]

Section 12. Ecological information

2-methylpropan-1-ol

Effect: Population**Acute - LC50 - Fresh water**Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*Weight: 1.67 g

1330 mg/l [96 hours]

Effect: Mortality**Acute - LC50 - Marine water**Crustaceans - Brine shrimp - *Artemia salina*

600 mg/l [48 hours]

Effect: Mortality**Chronic - NOEC - Fresh water**Daphnia - Water flea - *Daphnia magna*Age: ≤24 hours

4 mg/l [21 days]

Effect: Reproduction**Conclusion/Summary [Product]** : Not available.

Persistence and degradability

Product/ingredient name**Result**

XYLENE

OECD 301 F

90% [28 days]

1-methoxy-2-propanol

OECD 301E

96% [28 days]

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
XYLENE	-	-	Readily
1-methoxy-2-propanol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Normal butyl alcohol	1	-	Low
XYLENE	3.12	8.1 to 25.9	Low
1-methoxy-2-propanol	<1	-	Low
ethylbenzene	3.6	-	Low
2-methylpropan-1-ol	1	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.







Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
1-Butanol (I)	71-36-3	Listed	U031
Xylene	1330-20-7	Listed	U239
Isobutyl alcohol (I,T)	78-83-1	Listed	U140

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN1263	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3 	3 	3 	3  	3 
Packing group	III	III	III	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Additional information

- DOT Classification** : **Reportable quantity** 480.41 lbs / 218.11 kg [55.669 gal / 210.73 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

Section 14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 8(a) PAIR: Siloxanes and Silicones, di-Me, reaction products with silica

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: ethylbenzene; trizinc bis(orthophosphate); phenol; toluene

Clean Water Act (CWA) 311: XYLENE ; ethylbenzene; Phosphoric acid; phenol; toluene

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
phenol	≤0.1	Yes.	500 / 10000	-	1000	-

SARA 304 RQ : 1216323.1 lbs / 552210.7 kg [140945.5 gal / 533536.9 L]

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 3
 SKIN IRRITATION - Category 2
 SERIOUS EYE DAMAGE - Category 1
 CARCINOGENICITY - Category 2
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Section 15. Regulatory information

Composition/information on ingredients

Name	%	Classification
Normal butyl alcohol	≥15 - ≤40	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
XYLENE	≥10 - ≤30	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1
1-methoxy-2-propanol	≥10 - ≤30	FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
titanium dioxide	≥5 - ≤10	CARCINOGENICITY - Category 2
ethylbenzene	≥3 - ≤7	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
2-methylpropan-1-ol	≥1 - ≤5	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
carbon black, non respirable	≥0.1 - ≤1	CARCINOGENICITY - Category 2

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	butan-1-ol	71-36-3	≥15 - ≤40
	XYLENE	1330-20-7	≥10 - ≤30
	ethylbenzene	100-41-4	≥3 - ≤7
	trizinc bis(orthophosphate)	7779-90-0	≥1 - ≤5
Supplier notification	butan-1-ol	71-36-3	≥15 - ≤40
	XYLENE	1330-20-7	≥10 - ≤30
	ethylbenzene	100-41-4	≥3 - ≤7
	trizinc bis(orthophosphate)	7779-90-0	≥1 - ≤5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts

: The following components are listed: N-BUTYL ALCOHOL; XYLENE; PROPYLENE GLYCOL METHYL ETHER; TITANIUM DIOXIDE; ETHYL BENZENE; KAOLIN DUST; ISOBUTYL ALCOHOL

Section 15. Regulatory information

- New York** : The following components are listed: Butyl alcohol; Xylene mixed; Ethylbenzene; Isobutanol
- New Jersey** : The following components are listed: n-BUTYL ALCOHOL; XYLENES; PROPYLENE GLYCOL MONOMETHYL ETHER; TITANIUM DIOXIDE; ETHYL BENZENE; ZINC compounds; KAOLIN; ISOBUTYL ALCOHOL; CARBON BLACK
- Pennsylvania** : The following components are listed: 1-BUTANOL; BENZENE, DIMETHYL-; 2-PROPANOL, 1-METHOXY-; TITANIUM OXIDE; BENZENE, ETHYL-; ZINC COMPOUNDS; KAOLIN; 1-PROPANOL, 2-METHYL-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Canada** : At least one component is not listed.
- United States** : All components are listed or exempted.

Section 16. Other information

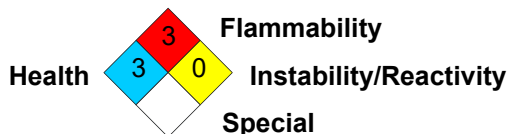
Hazardous Material Information System (U.S.A.)

Health	*	3
Flammability		3
Physical hazards		0

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National Fire Protection Association (U.S.A.)



History

- Date of issue** : 4/21/2026
- Version** : 2.07

Section 16. Other information

Product stewardship and regulatory compliance.

Key to abbreviations

- : ATE = Acute Toxicity Estimate
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Notice to reader

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