

SAFETY DATA SHEET

According to 29 CFR 1910.1200
MC116624A

Section 1. Identification

Product name : KLEARVAR
Satin

Product code : MC116624A

Other means of identification : Not available.

Product type : Liquid.

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

Paint or paint related material.

Manufacturer : M. L. CAMPBELL
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : (800) 424-9300

Product Information Telephone Number : (800) 364-1359

Transportation Emergency Telephone Number : (800) 424-9300

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 2
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 4.7% (oral), 30% (dermal), 26.2% (inhalation)

GHS label elements

Hazard pictograms



Signal word : Danger

Date of issue/Date of revision : 5/2/2026

Date of previous issue : 4/10/2026

Version : 31.01

1/29

MC116624A KLEARVAR
Satin

SHW-85-NA-GHS-US

Section 2. Hazards identification

Hazard statements : Highly flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
May cause drowsiness or dizziness.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.

Response : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice or attention. 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 : Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Contains Formaldehyde - a potential cancer hazard. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Section 3. Composition/information on ingredients

| Ingredient name | % by weight | Identifiers |
|--|-------------|-------------|
| Ethyl Acetate | ≥10 - ≤25 | 141-78-6 |
| 2-Methyl-1-propanol | ≤10 | 78-83-1 |
| n-Butyl Acetate | ≤10 | 123-86-4 |
| Acetone | ≤10 | 67-64-1 |
| Ethanol | ≤10 | 64-17-5 |
| Isobutylated Urea-Formaldehyde Polymer | ≤10 | 68002-18-6 |
| Lt. Aliphatic Hydrocarbon Solvent | ≤5 | 64742-89-8 |
| Toluene | ≤5 | 108-88-3 |
| 2-methoxy-1-methylethyl acetate | ≤3 | 108-65-6 |
| Xylene, mixed isomers | ≤2.2 | 1330-20-7 |
| Light Aromatic Hydrocarbons | <1 | 64742-95-6 |
| Dibutyl Phthalate | ≤0.3 | 84-74-2 |
| Ethylbenzene | ≤0.3 | 100-41-4 |
| 1,3,5-Trimethylbenzene | ≤0.3 | 108-67-8 |
| 1,2,4-Trimethylbenzene | ≤0.3 | 95-63-6 |

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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. 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

| | | | |
|--|---|-------------------------|------|
| Date of issue/Date of revision : 5/2/2026 | Date of previous issue : 4/10/2026 | Version : 31.01 | 3/29 |
| MC116624A | KLEARVAR Satin | SHW-85-NA-GHS-US | |

Section 4. First aid measures

- Eye contact** : Causes serious eye damage.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
 - pain
 - watering
 - redness
- Inhalation** : Adverse symptoms may include the following:
 - nausea or vomiting
 - headache
 - drowsiness/fatigue
 - dizziness/vertigo
 - unconsciousness
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
 - pain or irritation
 - redness
 - blistering may occur
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
 - stomach pains
 - nausea or vomiting
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- 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.

Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : Highly 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. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 - carbon dioxide
 - carbon monoxide
 - nitrogen 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.
- Remark** : Flammable liquid.

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 8. Exposure controls/personal protection

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|--|--------------------------------------|--|
| Acetone | 67-64-1 | <p>NIOSH REL (United States, 10/2020) TWA 10 hours: 150 ppm. TWA 10 hours: 710 mg/m³. STEL 15 minutes: 200 ppm. STEL 15 minutes: 950 mg/m³.</p> <p>OSHA PEL (United States, 5/2018) TWA 8 hours: 150 ppm. TWA 8 hours: 710 mg/m³.</p> <p>ACGIH TLV (United States, 1/2025) A4. TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm.</p> <p>NIOSH REL (United States, 10/2020) TWA 10 hours: 250 ppm. TWA 10 hours: 590 mg/m³.</p> <p>OSHA PEL (United States, 5/2018) TWA 8 hours: 1000 ppm. TWA 8 hours: 2400 mg/m³.</p> |
| Ethanol | 64-17-5 | <p>ACGIH TLV (United States, 1/2025) A3. STEL 15 minutes: 1000 ppm.</p> <p>NIOSH REL (United States, 10/2020) TWA 10 hours: 1000 ppm. TWA 10 hours: 1900 mg/m³.</p> <p>OSHA PEL (United States, 5/2018) TWA 8 hours: 1000 ppm. TWA 8 hours: 1900 mg/m³.</p> |
| Isobutylated Urea-Formaldehyde Polymer Lt. Aliphatic Hydrocarbon Solvent Toluene | 68002-18-6 64742-89-8 108-88-3 | <p>None. None.</p> <p>ACGIH TLV (United States, 1/2025) A4. Ototoxicant. TWA 8 hours: 20 ppm.</p> <p>OSHA PEL Z2 (United States, 2/2013) TWA 8 hours: 200 ppm. CEIL: 300 ppm. AMP 10 minutes: 500 ppm.</p> <p>NIOSH REL (United States, 10/2020) TWA 10 hours: 100 ppm. TWA 10 hours: 375 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 560 mg/m³.</p> |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | <p>OARS WEEL (United States, 6/2025) TWA 8 hours: 50 ppm.</p> |
| Xylene, mixed isomers | 1330-20-7 | <p>ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant. TWA 8 hours: 20 ppm.</p> <p>OSHA PEL (United States, 5/2018) [Xylenes] TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³.</p> |
| Light Aromatic Hydrocarbons Dibutyl Phthalate | 64742-95-6 84-74-2 | <p>None.</p> <p>ACGIH TLV (United States, 1/2025) TWA 8 hours: 5 mg/m³.</p> <p>NIOSH REL (United States, 10/2020) TWA 10 hours: 5 mg/m³.</p> <p>OSHA PEL (United States, 5/2018) TWA 8 hours: 5 mg/m³.</p> |
| Ethylbenzene | 100-41-4 | <p>ACGIH TLV (United States, 1/2025) A3.</p> |

Section 8. Exposure controls/personal protection

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|------------------------|----------|---|
| 1,3,5-Trimethylbenzene | 108-67-8 | <p>Ototoxicant. TWA 8 hours: 20 ppm. 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. OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. ACGIH TLV (United States, 1/2025) [trimethyl benzene, isomers] TWA 8 hours: 10 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 25 ppm. TWA 10 hours: 125 mg/m³.</p> |
| 1,2,4-Trimethylbenzene | 95-63-6 | <p>ACGIH TLV (United States, 1/2025) A4. TWA 8 hours: 10 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 25 ppm. TWA 10 hours: 125 mg/m³.</p> |

Occupational exposure limits (Canada)

| Ingredient name | CAS # | Exposure limits |
|------------------|----------|--|
| Isobutyl alcohol | 78-83-1 | <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 60 ppm. TWA 8 hours: 50 ppm. CA British Columbia Provincial (Canada, 6/2025) TWA 8 hours: 50 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 50 ppm. CA Quebec Provincial (Canada, 2/2024) TWAEV 8 hours: 50 ppm. TWAEV 8 hours: 152 mg/m³. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 50 ppm. OEL 8 hours: 152 mg/m³.</p> |
| n-butyl acetate | 123-86-4 | <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 200 ppm. TWA 8 hours: 150 ppm. CA British Columbia Provincial (Canada, 6/2025) [butyl acetate, all isomers] STEL 15 minutes: 150 ppm. TWA 8 hours: 50 ppm. CA Ontario Provincial (Canada, 6/2019) [butyl acetates, all isomers] STEL 15 minutes: 150 ppm. TWA 8 hours: 50 ppm. CA Quebec Provincial (Canada, 2/2024) [butyl acetates] STEV 15 minutes: 150 ppm. TWAEV 8 hours: 50 ppm. CA Alberta Provincial (Canada, 3/2023)</p> |

Section 8. Exposure controls/personal protection

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|---------------|-----------|---|
| acetone | 67-64-1 | <p>OEL 15 minutes: 200 ppm. OEL 15 minutes: 950 mg/m³. OEL 8 hours: 150 ppm. OEL 8 hours: 713 mg/m³.</p> <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 750 ppm. TWA 8 hours: 500 ppm.</p> <p>CA British Columbia Provincial (Canada, 6/2025) TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm.</p> <p>CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm.</p> <p>CA Quebec Provincial (Canada, 2/2024) TWA 8 hours: 250 ppm. STEV 15 minutes: 500 ppm.</p> <p>CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 1200 mg/m³. OEL 15 minutes: 1800 mg/m³. OEL 8 hours: 500 ppm. OEL 15 minutes: 750 ppm.</p> |
| Ethyl alcohol | 64-17-5 | <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 1250 ppm. TWA 8 hours: 1000 ppm.</p> <p>CA British Columbia Provincial (Canada, 6/2025) STEL 15 minutes: 1000 ppm.</p> <p>CA Ontario Provincial (Canada, 6/2019) STEL 15 minutes: 1000 ppm.</p> <p>CA Quebec Provincial (Canada, 2/2024) C3. STEV 15 minutes: 1000 ppm.</p> <p>CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 1000 ppm. OEL 8 hours: 1880 mg/m³.</p> |
| toluene | 108-88-3 | <p>CA Saskatchewan Provincial (Canada, 4/2021) Absorbed through skin. STEL 15 minutes: 60 ppm. TWA 8 hours: 50 ppm.</p> <p>CA British Columbia Provincial (Canada, 6/2025) Repr. TWA 8 hours: 20 ppm.</p> <p>CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 20 ppm.</p> <p>CA Quebec Provincial (Canada, 2/2024) Ototoxicant. TWA 8 hours: 20 ppm.</p> <p>CA Alberta Provincial (Canada, 3/2023) Absorbed through skin. OEL 8 hours: 50 ppm. OEL 8 hours: 188 mg/m³.</p> |
| Xylene | 1330-20-7 | <p>CA Saskatchewan Provincial (Canada, 4/2021) [Xylene] STEL 15 minutes: 150 ppm.</p> |

Section 8. Exposure controls/personal protection

| | | |
|----------------------------|-----------------|---|
| <p>n-Dibutyl phthalate</p> | <p>84-74-2</p> | <p>TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 6/2025) [xylene, all isomers] TWA 8 hours: 20 ppm. CA Ontario Provincial (Canada, 6/2019) [Xylene (o-, m-, p-isomers)] STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. CA Quebec Provincial (Canada, 2/2024) [Xylene] TWAEV 8 hours: 100 ppm. TWAEV 8 hours: 434 mg/m³. STEV 15 minutes: 150 ppm. STEV 15 minutes: 651 mg/m³. CA Alberta Provincial (Canada, 3/2023) [Dimethylbenzene] OEL 8 hours: 100 ppm. OEL 15 minutes: 651 mg/m³. OEL 15 minutes: 150 ppm. OEL 8 hours: 434 mg/m³. CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 10 mg/m³. TWA 8 hours: 5 mg/m³. CA British Columbia Provincial (Canada, 6/2025) Repr. TWA 8 hours: 5 mg/m³. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 5 mg/m³. CA Quebec Provincial (Canada, 2/2024) TWAEV 8 hours: 5 mg/m³. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 5 mg/m³.</p> |
| <p>Ethylbenzene</p> | <p>100-41-4</p> | <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 6/2025) Carc 2B. TWA 8 hours: 20 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 20 ppm. CA Quebec Provincial (Canada, 2/2024) C3. TWAEV 8 hours: 20 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 100 ppm. OEL 8 hours: 434 mg/m³. OEL 15 minutes: 543 mg/m³. OEL 15 minutes: 125 ppm.</p> |

[Occupational exposure limits \(Mexico\)](#)

Section 8. Exposure controls/personal protection

| Ingredient name | CAS # | Exposure limits |
|-----------------------|-----------|--|
| Ethyl Acetate | 141-78-6 | NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 400 ppm. |
| 2-Methyl-1-propanol | 78-83-1 | NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 50 ppm. |
| n-Butyl Acetate | 123-86-4 | NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 150 ppm. STEL 15 minutes: 200 ppm. |
| Acetone | 67-64-1 | NOM-010-STPS-2014 (Mexico, 4/2016) A4. TWA 8 hours: 500 ppm. STEL 15 minutes: 750 ppm. |
| Ethanol | 64-17-5 | NOM-010-STPS-2014 (Mexico, 4/2016) A3. STEL 15 minutes: 1000 ppm. |
| Toluene | 108-88-3 | NOM-010-STPS-2014 (Mexico, 4/2016) A4. TWA 8 hours: 20 ppm. |
| Xylene, mixed isomers | 1330-20-7 | NOM-010-STPS-2014 (Mexico, 4/2016) [Xileno, mezcla] A4. STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. |
| Dibutyl Phthalate | 84-74-2 | NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 5 mg/m ³ . |

Biological exposure indices (United States)

| Ingredient name | Exposure indices |
|-----------------------|--|
| Acetone | ACGIH BEI (United States, 1/2025) BEI: 25 mg/l, acetone [in urine]. Sampling time: end of shift. |
| Toluene | ACGIH BEI (United States, 1/2025) BEI: 0.03 mg/l, toluene [in urine]. Sampling time: end of shift. BEI: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift. BEI: 0.02 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek. |
| Xylene, mixed isomers | ACGIH BEI (United States, 1/2025) [xylenes (technical or commercial grades)] BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift. |
| Ethylbenzene | ACGIH BEI (United States, 1/2025) BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift. |

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

Section 8. Exposure controls/personal protection

| Ingredient name | Exposure indices |
|-----------------------|---|
| Acetone | <p>Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)</p> <p>BEI: 50 mg/L [non-specific. The determinant is nonspecific, since it can be found after exposure to other chemicals.], acetone [in urine]. Sampling time: at the end of the work shift.</p> |
| Toluene | <p>Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)</p> <p>BEI: 0.05 mg/L, toluene [in blood]. Sampling time: sample time not specified.</p> <p>BEI: 1.6 g/g creatinine [Basal level. The determinant may be present in the biological sample obtained from subjects who have not been occupationally exposed, at a concentration that could affect the interpretation of the results. These background levels are included in the value; non-specific. The determinant is nonspecific, since it can be found after exposure to other chemicals.], hippuric acid [in urine]. Sampling time: at the end of the work shift.</p> <p>BEI: 0.5 mg/L [Basal level. The determinant may be present in the biological sample obtained from subjects who have not been occupationally exposed, at a concentration that could affect the interpretation of the results. These background levels are included in the value], o-cresol [in urine]. Sampling time: at the end of the work shift.</p> |
| Xylene, mixed isomers | <p>Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) [xilenos (grado técnico o comercial)]</p> <p>BEI: 1.5 g/g creatinine, methyl hippuric acids [in urine]. Sampling time: at the end of the work 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 :

Section 8. Exposure controls/personal protection

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

- 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** : Clear.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : 55°C (131°F)
- Flash point** : Closed cup: 16°C (60.8°F) [Pensky-Martens Closed Cup]
- Evaporation rate** : 5.6 (butyl acetate = 1)
- Flammability** : Flammable liquid.

Section 9. Physical and chemical properties

Lower and upper explosion limit/flammability limit : Lower: 0.9%
Upper: 19%
Vapor pressure : 24 kPa (180 mm Hg)
Relative vapor density : 1.5 [Air = 1]
Relative density : 0.94
Density : 0.93 g/cm³
Solubility(ies) :

| Media | Result |
|------------|-------------|
| cold water | Not soluble |

Partition coefficient: n-octanol/water : Not applicable.
Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt)
Molecular weight : Not applicable.
Particle characteristics
Median particle size : Not applicable.
Heat of combustion : 17.173 kJ/g

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. Do not allow vapor to accumulate in low or confined areas.
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 | Result |
|-------------------------|--------|
|-------------------------|--------|

Section 11. Toxicological information

| | |
|--|---|
| Ethyl Acetate | Rat - Oral - LD50 5620 mg/kg |
| 2-Methyl-1-propanol | Rat - Oral - LD50 2460 mg/kg Rabbit - Dermal - LD50 3400 mg/kg Rat - Inhalation - LC50 Vapor 19200 mg/m ³ [4 hours] |
| n-Butyl Acetate | Rat - Oral - LD50 10768 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) Lung, Thorax, or Respiration - Other changes Liver - Other changes Rabbit - Dermal - LD50 >17600 mg/kg |
| Acetone | Rat - Oral - LD50 5800 mg/kg <u>Toxic effects:</u> Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor |
| Ethanol | Rat - Oral - LD50 7 g/kg Rat - Inhalation - LC50 Vapor 124700 mg/m ³ [4 hours] |
| Isobutylated Urea-Formaldehyde Polymer | Rat - Oral - LD50 >5 g/kg <u>Toxic effects:</u> Olfaction - Other changes Behavioral - Somnolence (general depressed activity) Behavioral - Food intake (animal) Rabbit - Dermal - LD50 >5 g/kg <u>Toxic effects:</u> Skin After systemic exposure - Dermatitis, other |
| Toluene | Rat - Oral - LD50 636 mg/kg Rat - Inhalation - LC50 Vapor 49 g/m ³ [4 hours] |
| 2-methoxy-1-methylethyl acetate | Rat - Oral - LD50 8532 mg/kg Rabbit - Dermal - LD50 >5 g/kg |
| Xylene, mixed isomers | Rat - Oral - LD50 4300 mg/kg <u>Toxic effects:</u> Liver - Other changes Kidney, Ureter, and Bladder - Other changes Rat - Inhalation - LC50 Gas. 6700 ppm [4 hours] <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) |
| Light Aromatic Hydrocarbons | Rat - Oral - LD50 8400 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes |
| Dibutyl Phthalate | Rat - Oral - LD50 5010 mg/kg |
| Ethylbenzene | Rat - Oral - LD50 3500 mg/kg <u>Toxic effects:</u> Liver - Other changes Kidney, Ureter, and Bladder - Other changes |

Section 11. Toxicological information

| | |
|------------------------|---|
| 1,3,5-Trimethylbenzene | Rabbit - Dermal - LD50 >5000 mg/kg Rat - Oral - LD50 5000 mg/kg Rat - Inhalation - LC50 Vapor 24000 mg/m ³ [4 hours] |
| 1,2,4-Trimethylbenzene | Rat - Oral - LD50 5 g/kg Rat - Inhalation - LC50 Vapor 18000 mg/m ³ [4 hours] |

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

Result

| | |
|------------------------|--|
| n-Butyl Acetate | Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg |
| Acetone | Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg |
| Ethanol | Rabbit - Skin - Mild irritant <u>Amount/concentration applied:</u> 395 mg Rabbit - Skin - Mild irritant <u>Amount/concentration applied:</u> 400 mg |
| Toluene | Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 20 mg Pig - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 250 uL Rabbit - Skin - Mild irritant <u>Amount/concentration applied:</u> 435 mg Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 20 mg |
| Xylene, mixed isomers | Rabbit - Skin - Moderate irritant <u>Amount/concentration applied:</u> 500 mg Rat - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 8 hours <u>Amount/concentration applied:</u> 60 uL Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg |
| Ethylbenzene | Rabbit - Skin - Moderate irritant <u>Amount/concentration applied:</u> 100 % Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 15 mg |
| 1,3,5-Trimethylbenzene | Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 20 mg |

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

Serious eye damage/eye irritation

Product/ingredient name

n-Butyl Acetate

Acetone

Ethanol

Isobutylated Urea-Formaldehyde Polymer

Toluene

Xylene, mixed isomers

Light Aromatic Hydrocarbons

Ethylbenzene

1,3,5-Trimethylbenzene

Result

Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 100 mg

Human - Eyes - Mild irritant

Amount/concentration applied: 186300 ppm

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 10 uL

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 20 mg

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 0.066666667 minutes

Amount/concentration applied: 100 mg

Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 100 uL

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 500 mg

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 1 hours

Amount/concentration applied: 50 pph

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 uL

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 0.5 minutes

Amount/concentration applied: 100 mg

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 870 ug

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 2 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

Rabbit - Eyes - Mild irritant

Amount/concentration applied: 87 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 uL

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 500 mg

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

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

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Ethanol | - | 1 | - |
| Toluene | - | 3 | - |
| Xylene, mixed isomers | - | 3 | - |
| Ethylbenzene | - | 2B | - |

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

Result

Ethyl Acetate

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Narcotic effects) - Category 3

2-Methyl-1-propanol

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3

n-Butyl Acetate

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Narcotic effects) - Category 3

Acetone

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Narcotic effects) - Category 3

Section 11. Toxicological information

| | |
|-----------------------------------|--|
| Ethanol | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Lt. Aliphatic Hydrocarbon Solvent | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Toluene | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| 2-methoxy-1-methylethyl acetate | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Xylene, mixed isomers | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Light Aromatic Hydrocarbons | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| Ethylbenzene | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| 1,3,5-Trimethylbenzene | (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| 1,2,4-Trimethylbenzene | (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |

Specific target organ toxicity (repeated exposure)

Product/ingredient name

Result

| | |
|-----------------------|---|
| Toluene | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| Xylene, mixed isomers | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| Ethylbenzene | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |

Aspiration hazard

Product/ingredient name

Result

| | |
|-----------------------------------|--------------------------------|
| Lt. Aliphatic Hydrocarbon Solvent | ASPIRATION HAZARD - Category 1 |
| Toluene | ASPIRATION HAZARD - Category 1 |
| Xylene, mixed isomers | ASPIRATION HAZARD - Category 1 |
| Light Aromatic Hydrocarbons | ASPIRATION HAZARD - Category 1 |
| Ethylbenzene | ASPIRATION HAZARD - Category 1 |
| 1,3,5-Trimethylbenzene | ASPIRATION HAZARD - Category 1 |
| 1,2,4-Trimethylbenzene | 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. |
| Skin contact | : Causes skin irritation. |
| Ingestion | : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. |

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
stomach pains
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

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 : May damage fertility or the unborn child.

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) |
|---------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| KLEARVAR | 24357.3 | 21519.7 | N/A | N/A | N/A |
| Ethyl Acetate | 5620 | N/A | N/A | N/A | N/A |
| 2-Methyl-1-propanol | 2460 | 3400 | N/A | N/A | N/A |
| n-Butyl Acetate | 10768 | N/A | N/A | N/A | N/A |
| Acetone | 5800 | N/A | N/A | N/A | N/A |
| Ethanol | 7000 | N/A | N/A | 124.7 | N/A |
| Toluene | N/A | N/A | N/A | 49 | N/A |
| 2-methoxy-1-methylethyl acetate | 8532 | N/A | N/A | N/A | N/A |
| Xylene, mixed isomers | 4300 | 2500 | N/A | N/A | N/A |
| Light Aromatic Hydrocarbons | 8400 | N/A | N/A | N/A | N/A |
| Dibutyl Phthalate | 5010 | N/A | N/A | N/A | N/A |
| Ethylbenzene | 3500 | N/A | N/A | 11 | N/A |
| 1,3,5-Trimethylbenzene | 5000 | N/A | N/A | 24 | N/A |
| 1,2,4-Trimethylbenzene | 5000 | N/A | N/A | 18 | N/A |

Section 12. Ecological information

Toxicity

Product/ingredient name

Ethyl Acetate

Result

Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia cucullata*

Age: 11 days

154 mg/l [48 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Indian catfish - *Heteropneustes fossilis*

Size: 14.16 cm; Weight: 25.54 g

212.5 mg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Selenastrum sp.*

2500 mg/l [96 hours]

Effect: Population

Chronic - NOEC - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Embryo

Age: <24 hours

75.6 mg/l [32 days]

Effect: Mortality

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

2.4 mg/l [21 days]

Effect: Mortality

2-Methyl-1-propanol

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]

Date of issue/Date of revision

: 5/2/2026

Date of previous issue

: 4/10/2026

Version : 31.01

21/29

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KLEARVAR
Satin

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Section 12. Ecological information

Effect: Mortality

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

4 mg/l [21 days]

Effect: Reproduction

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*

Age: 31 to 32 days; Size: 21.6 mm; Weight: 0.175 g

18 mg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Brine shrimp - *Artemia salina*

32 mg/l [48 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Selenastrum sp.*

7200 mg/l [96 hours]

Effect: Population

Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*

4.95 mg/l [96 hours]

Effect: Reproduction

Chronic - NOEC - Fresh water

Crustaceans - Daphnia - *Daphniidae*

0.016 ml/l [21 days]

Effect: Population

Chronic - NOEC - Marine water

Fish - Threespine stickleback - *Gasterosteus aculeatus* - Larvae

Age: 7 days

5 µg/l [42 days]

Effect: Population

Acute - LC50 - Marine water

ISO

Crustaceans - Calanoid copepod - *Acartia tonsa* - Copepodid

4.42589 ml/l [48 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Guppy - *Poecilia reticulata*

Age: 4 to 12 months; Size: 2 to 10 cm; Weight: 0.5 to 14 g

5600 ppm [96 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*

42 mg/l [4 days]

Effect: Mortality

Acute - EC50 - Marine water

Algae - Green algae - *Ulva pertusa*

17.921 mg/l [96 hours]

Effect: Reproduction

Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*

4.995 mg/l [96 hours]

Effect: Reproduction

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: <24 hours

n-Butyl Acetate

Acetone

Ethanol

Section 12. Ecological information

100 µl/l [21 days]

Effect: Mortality

Chronic - NOEC - Fresh water

Fish - Eastern mosquitofish - *Gambusia holbrooki* - Larvae

Age: 3 days

0.375 µl/l [12 weeks]

Effect: Morphology

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*

2 mg/l [48 hours]

Effect: Intoxication

Acute - LC50 - Fresh water

US EPA

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*

Weight: 0.32 g

>10 pph [96 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Coho salmon, silver salmon - *Oncorhynchus kisutch* - Fry

Weight: 1 g

5500 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Juvenile (Fledgling, Hatchling, Weanling)

6000 µg/l [48 hours]

Effect: Intoxication

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

1 mg/l [21 days]

Effect: Mortality

Acute - EC50 - Fresh water

Algae - Green algae - *Raphidocelis subcapitata*

12.5 mg/l [72 hours]

Effect: Growth

Acute - LC50 - Marine water

Crustaceans - Daggerblade grass shrimp - *Palaemon pugio*

8500 µg/l [48 hours]

Effect: Mortality

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

Acute - LC50 - Marine water

US EPA

Crustaceans - Opossum shrimp - *Americamysis bahia*

0.87 mg/l [48 hours]

Effect: Mortality

Chronic - NOEC - Fresh water

OECD

Daphnia - Water flea - *Daphnia magna*

0.07 mg/l [21 days]

Effect: Reproduction

Chronic - NOEC

OECD

Lt. Aliphatic Hydrocarbon Solvent

Toluene

Xylene, mixed isomers

Dibutyl Phthalate

Section 12. Ecological information

Algae - Green algae - *Scenedesmus sp.* - Exponential growth phase

100 µg/l [96 hours]

Effect: Biochemistry

Acute - EC50 - Marine water

Algae - Dinoflagellate - *Karenia brevis* - Exponential growth phase
0.0034 ppm [96 hours]

Effect: Growth

Acute - LC50 - Fresh water

US EPA

Fish - Bluegill - *Lepomis macrochirus* - Juvenile (Fledgling, Hatchling, Weanling)

0.48 mg/l [96 hours]

Effect: Mortality

Chronic - NOEC - Fresh water

US EPA

Fish - Medaka, high-eyes - *Oryzias latipes* - Adult

Age: 18 weeks; Weight: 0.235 to 0.383 g

15.6 µg/l [218 days]

Effect: Reproduction

Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*

4200 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: ≤24 hours

2.93 mg/l [48 hours]

Effect: Intoxication

Acute - EC50 - Fresh water

Algae - Green algae - *Raphidocelis subcapitata*

3600 µg/l [96 hours]

Effect: Population

Acute - LC50 - Marine water

Crustaceans - Dungeness or edible crab - *Cancer magister* - Zoea

Age: 1

13 mg/l [48 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Goldfish - *Carassius auratus*

Age: 1 to 1.5 years; Size: 13 to 20 cm; Weight: 20 to 80 g

12.52 mg/l [96 hours]

Effect: Mortality

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

0.4 mg/l [21 days]

Effect: Reproduction

Acute - LC50 - Marine water

Crustaceans - Scud - *Elasmopus pecteniscrus* - Adult

4910 µg/l [48 hours]

Effect: Mortality

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*

Age: 34 days

7720 µg/l [96 hours]

Effect: Mortality

Ethylbenzene

1,3,5-Trimethylbenzene

1,2,4-Trimethylbenzene

Section 12. Ecological information

Conclusion/Summary [Product] : Not available.

Persistence and degradability

| Product/ingredient name | Result |
|--|----------------------|
| Isobutylated Urea-Formaldehyde Polymer | OECD 7% [28 days] |

Conclusion/Summary [Product] : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|--------------------------|-------------------|-------------------------|
| Ethyl Acetate | - | - | Readily |
| 2-Methyl-1-propanol | - | - | Readily |
| n-Butyl Acetate | - | - | Readily |
| Acetone | - | - | Readily |
| Ethanol | - | - | Readily |
| Isobutylated Urea-Formaldehyde Polymer | - | - | Not readily |
| Toluene | - | - | Readily |
| Xylene, mixed isomers | - | - | Readily |
| Light Aromatic Hydrocarbons | - | - | Readily |
| Ethylbenzene | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogP_{ow} | BCF | Potential |
|-----------------------------------|--------------------------|-------------|------------------|
| Ethyl Acetate | - | 30 | Low |
| Lt. Aliphatic Hydrocarbon Solvent | - | 10 to 2500 | High |
| Toluene | - | 90 | Low |
| Xylene, mixed isomers | - | 8.1 to 25.9 | Low |
| Light Aromatic Hydrocarbons | - | 10 to 2500 | High |
| Dibutyl Phthalate | - | 165.96 | Low |
| 1,3,5-Trimethylbenzene | - | 161 | Low |
| 1,2,4-Trimethylbenzene | - | 243 | 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.

| | | | | | | |
|---------------------------------------|------------|-------------------------------|-------------|-------------------------|---------|-------|
| Date of issue/Date of revision | : 5/2/2026 | Date of previous issue | : 4/10/2026 | Version | : 31.01 | 25/29 |
| MC116624A | KLEARVAR | | | SHW-85-NA-GHS-US | | |
| | Satin | | | | | |

Section 13. Disposal considerations

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.

Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification | IATA | IMDG |
|-----------------------------------|--|--|--|--|--|
| 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 | II | II | II | II | II |
| Environmental hazards | No. | No. | No. | No. | No. |
| Additional information | - ERG No. 128 | Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3). ERG No. 128 | - ERG No. 128 | - | Emergency schedules F-E, S-E |

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

[SARA 313](#)

All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production. Reporting of chemicals in this section does not necessarily indicate their presence in the final formulated product.

| Ingredient name | % by weight | CAS number |
|-------------------------------|-------------|------------|
| Polycyclic Aromatic Compounds | 0.0006 | |
| Toluene | 4 | 108-88-3 |
| Xylene, mixed isomers | 1 | 1330-20-7 |
| Ethylbenzene | 0.2 | 100-41-4 |

[SARA 302/304](#)

SARA 302/304 (40 CFR part 302) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

[Montreal Protocol](#)

Not listed.

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

International lists

- : **Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

| | | |
|------------------|---|---|
| Health | * | 3 |
| Flammability | | 3 |
| Physical hazards | | 0 |
| | | |

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

| Classification | Justification |
|--|-----------------------|
| FLAMMABLE LIQUIDS - Category 2 | On basis of test data |
| SKIN CORROSION/IRRITATION - Category 2 | Calculation method |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 | Calculation method |
| CARCINOGENICITY - Category 2 | Calculation method |
| TOXIC TO REPRODUCTION - Category 1B | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 | Calculation method |
| ASPIRATION HAZARD - Category 1 | Calculation method |

History

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Version : 31.01

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
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)
N/A = Not available
SGG = Segregation Group
UN = United Nations

📌 Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

| | | | |
|--|---|------------------------|-------|
| Date of issue/Date of revision : 5/2/2026 | Date of previous issue : 4/10/2026 | Version : 31.01 | 28/29 |
| MC116624A | KLEARVAR Satin | SHW-85-NA-GHS-US | |

