SAFETY DATA SHEET

C131614

Section 1. Identification

Product name : DesignRclassic Furniture Lacquer Clear

Satin

Product code : C131614

Other means of : Not available.

identification

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

: (800) 424-9300

Telephone Number

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 ACUTE TOXICITY (oral) - Category 4

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

TOXIC TO REPRODUCTION - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 8.2%

(dermal), 8.2% (inhalation)

GHS label elements

Hazard pictograms :







Signal word : Danger

Hazard statements : Highly flammable liquid and vapor.

Harmful if swallowed.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May damage fertility or the unborn child.

Causes damage to organs.

Precautionary statements

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 1/21

C131614 DesignRclassic Furniture Lacquer Clear

Satin

SHW-85-NA-GHS-US

Section 2. Hazards identification

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 explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response

: IF exposed: Call a POISON CENTER or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep

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.

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.

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
n-Butyl Acetate	≥25 - ≤50	123-86-4
Acetone	≥25 - ≤50	67-64-1
Methanol	≥10 - ≤15	67-56-1
Cellulose Nitrate	≤10	9004-70-0
2-Propanol	≤5	67-63-0
Xylene, mixed isomers	<1	1330-20-7
Toluene	≤0.3	108-88-3

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.

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version: 25 2/21 C131614 DesignRclassic Furniture Lacquer Clear SHW-85-NA-GHS-US

Satin

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: 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. Get medical attention. If necessary, call a poison center or physician.

Inhalation

: 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. Get medical attention. If necessary, call a poison center or physician. 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

: Flush contaminated skin with plenty of 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. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: 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. Get medical attention. If necessary, call a poison center or 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 irritation.

Inhalation: Causes damage to organs following a single exposure if inhaled. Can cause central

nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact: Causes damage to organs following a single exposure in contact with skin.

Ingestion : Harmful if swallowed. Causes damage to organs following a single exposure if

swallowed. Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation

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

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 3/21

Section 4. First aid measures

Skin contact

: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion

: Adverse symptoms may include the following:

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

Unsuitable extinguishing

media

: Use dry chemical, CO₂, water spray (fog) or foam.

: Do not use water jet.

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.

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 4/21

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. Avoid breathing 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. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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. Avoid exposure during pregnancy. 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.

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 5/21

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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS#	Exposure limits
n-Butyl Acetate	123-86-4	NIOSH REL (United States, 10/2020). TWA: 150 ppm 10 hours. TWA: 710 mg/m³ 10 hours. STEL: 200 ppm 15 minutes. STEL: 950 mg/m³ 15 minutes. OSHA PEL (United States, 5/2018). TWA: 150 ppm 8 hours. TWA: 710 mg/m³ 8 hours. ACGIH TLV (United States, 1/2024). [Butyl acetates] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
Acetone	67-64-1	ACGIH TLV (United States, 1/2024). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. NIOSH REL (United States, 10/2020). TWA: 250 ppm 10 hours. TWA: 590 mg/m³ 10 hours. OSHA PEL (United States, 5/2018). TWA: 1000 ppm 8 hours. TWA: 2400 mg/m³ 8 hours.
Methanol	67-56-1	ACGIH TLV (United States, 1/2024). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes. NIOSH REL (United States, 10/2020). Absorbed through skin. TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 325 mg/m³ 15 minutes. STEL: 325 mg/m³ 15 minutes. OSHA PEL (United States, 5/2018). TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.
Cellulose Nitrate 2-Propanol	9004-70-0 67-63-0	None. ACGIH TLV (United States, 1/2024). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. NIOSH REL (United States, 10/2020). TWA: 400 ppm 10 hours.

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 6/21

C131614 DesignRclassic Furniture Lacquer Clear Satin

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		TWA: 980 mg/m³ 10 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m³ 15 minutes. OSHA PEL (United States, 5/2018). TWA: 400 ppm 8 hours. TWA: 980 mg/m³ 8 hours.
Xylene, mixed isomers	1330-20-7	OSHA PEL (United States, 5/2018). [Xylenes] TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours. ACGIH TLV (United States, 1/2024). [p-xylene and mixtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours.
Toluene	108-88-3	OSHA PEL Z2 (United States, 2/2013). TWA: 200 ppm 8 hours. CEIL: 300 ppm AMP: 500 ppm 10 minutes. NIOSH REL (United States, 10/2020). TWA: 100 ppm 10 hours. TWA: 375 mg/m³ 10 hours. STEL: 150 ppm 15 minutes. STEL: 560 mg/m³ 15 minutes. ACGIH TLV (United States, 1/2024). Ototoxicant. TWA: 20 ppm 8 hours.

Occupational exposure limits (Canada)

Ingredient name	CAS#	Exposure limits
n-butyl acetate	123-86-4	CA Alberta Provincial (Canada, 3/2023). OEL: 200 ppm 15 minutes. OEL: 950 mg/m³ 15 minutes. OEL: 150 ppm 8 hours. OEL: 713 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 4/2021). STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 8/2023). [butyl acetate, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 2/2024). [butyl acetates] STEV: 150 ppm 15 minutes. TWAEV: 50 ppm 8 hours.
acetone	67-64-1	CA Alberta Provincial (Canada, 3/2023). OEL: 1200 mg/m³ 8 hours. OEL: 1800 mg/m³ 15 minutes. OEL: 500 ppm 8 hours. OEL: 750 ppm 15 minutes. CA British Columbia Provincial (Canada,

Date of issue/Date of revision: 3/3/2025Date of previous issue: 12/13/2024Version: 257/21C131614DesignRclassic Furniture Lacquer ClearSHW-85-NA-GHS-US

DesignRclassic Furniture Lacquer Clear Satin

Section 8. Exposui	re contro	ls/person	al prot	tection
				8/2023). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Quebec Provincial (Canada, 2/2024). TWAEV: 250 ppm 8 hours. STEV: 500 ppm 15 minutes. CA Saskatchewan Provincial (Canada, 4/2021). STEL: 750 ppm 15 minutes. TWA: 500 ppm 8 hours.
Methyl alcohol		67-	56-1	CA Alberta Provincial (Canada, 3/2023). Absorbed through skin. OEL: 262 mg/m³ 8 hours. OEL: 250 ppm 15 minutes. OEL: 328 mg/m³ 15 minutes. CA British Columbia Provincial (Canada, 8/2023). Absorbed through skin. TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Quebec Provincial (Canada, 2/2024). Absorbed through skin. TWAEV: 200 ppm 8 hours. STEV: 250 ppm 15 minutes. STEV: 250 ppm 15 minutes. STEV: 328 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 4/2021). Absorbed through skin. STEL: 250 ppm 15 minutes. STEL: 250 ppm 15 minutes. CA Saskatchewan Provincial (Canada, 4/2021). Absorbed through skin. STEL: 250 ppm 15 minutes. TWA: 200 ppm 8 hours.
Isopropyl alcohol		67-	63-0	CA Alberta Provincial (Canada, 3/2023). OEL: 984 mg/m³ 15 minutes. OEL: 200 ppm 8 hours. OEL: 400 ppm 15 minutes. OEL: 492 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 8/2023). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. CA Quebec Provincial (Canada, 2/2024). TWAEV: 200 ppm 8 hours. STEV: 400 ppm 15 minutes. CA Saskatchewan Provincial (Canada, 4/2021). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.
Xylene	0/0/000	l	30-20-7	CA Alberta Provincial (Canada, 3/2023).
Date of issue/Date of revision	: 3/3/2025	Date of previous	sissue	: 12/13/2024 Version : 25 8/21

C131614

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	•	[Dimethylbenzene] OEL: 100 ppm 8 hours. OEL: 651 mg/m³ 15 minutes. OEL: 150 ppm 15 minutes. OEL: 434 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 8/2023). [Xylene (o, m & p isomers)] TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes. CA Quebec Provincial (Canada, 2/2024).
		[Xylene] TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 150 ppm 15 minutes. STEV: 651 mg/m³ 15 minutes. CA Ontario Provincial (Canada, 6/2019). [Xylene (o-, m-, p-isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. CA Saskatchewan Provincial (Canada, 4/2021). [Xylene] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
toluene	108-88-3	CA Alberta Provincial (Canada, 3/2023). Absorbed through skin. OEL: 50 ppm 8 hours. OEL: 188 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 8/2023). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 2/2024). Ototoxicant. TWAEV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 4/2021). Absorbed through skin. STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.

Occupational exposure limits (Mexico)

	CAS#	Exposure limits
n-Butyl Acetate	123-86-4	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes.
Acetone	67-64-1	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.
Methanol	67-56-1	NOM-010-STPS-2014 (Mexico, 4/2016). Absorbed through skin. TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes.
2-Propanol	67-63-0	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.
Toluene	108-88-3	NOM-010-STPS-2014 (Mexico, 4/2016).

Date of issue/Date of revision: 3/3/2025Date of previous issue: 12/13/2024Version: 259/21C131614DesignRclassic Furniture Lacquer Clear
SatinSHW-85-NA-GHS-US

TWA: 20 ppm 8 hours.

Biological exposure indices (United States)

Ingredient name	Exposure indices
Acetone	ACGIH BEI (United States, 1/2024) BEI: 25 mg/l, acetone [in urine]. Sampling time: end of shift.
Methanol	ACGIH BEI (United States, 1/2024) BEI: 15 mg/l, methanol [in urine]. Sampling time: end of shift.
2-Propanol	ACGIH BEI (United States, 1/2024) BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at end of workweek.
Xylene, mixed isomers	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.
Toluene	ACGIH BEI (United States, 1/2024) 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.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

Ingredient name	Exposure indices
Acetone	Official Mexican STANDARD NOM- 047-SSA1-2011, Environmental Health- Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) 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.
Methanol	Official Mexican STANDARD NOM- 047-SSA1-2011, Environmental Health- Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) BEI: 15 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 valu; non-specific.The determinant is

Date of issue/Date of revision

C131614

: 3/3/2025

Date of previous issue

: 12/13/2024

Version : 25

10/21

SHW-85-NA-GHS-US

2-Propanol

Toluene

nonspecific, since it can be found after exposure to other chemicals.], methane [in urine]. Sampling time: at the end of the work shift.

Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)

BEI: 40 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 shift at the end of the work week.

Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012)

BEI: 0.05 mg/L, toluene [in blood]. Sampling time: sample time not specified.

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 valu: 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.

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 valul, o-cresol [in urine]. Sampling time: at the end of the work shift.

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

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version: 25 11/21

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.

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 antistatic 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, initial boiling : 55°C (131°F)

point, and boiling range

Flash point : Closed cup: -10°C (14°F) [Pensky-Martens Closed Cup]

Evaporation rate : 5.6 (butyl acetate = 1)

Flammability : Flammable liquid.

Lower and upper explosion | Lower: 1.38% | Upper: 36.5%

Vapor pressure : 24 kPa (180 mm Hg)

Dolothya yanga danaitu

Relative vapor density : 1.11 [Air = 1]

Relative density : 0.92

Solubility(ies) :

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 12/21

C131614 DesignRclassic Furniture Lacquer Clear

Satin

SHW-85-NA-GHS-US

Section 9. Physical and chemical properties

Media	Result
cold water	Not soluble

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)

Molecular weight : Not applicable.

Heat of combustion : 20.44 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	Species	Dose	Exposure
n-Butyl Acetate	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10768 mg/kg	-
Acetone	LD50 Oral	Rat	5800 mg/kg	-
Methanol	LC50 Inhalation Gas.	Rat	145000 ppm	1 hours
	LC50 Inhalation Gas.	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
Cellulose Nitrate	LD50 Oral	Rat	>5 g/kg	-
2-Propanol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
Xylene, mixed isomers	LC50 Inhalation Gas.	Rat	6700 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours
	LD50 Oral	Rat	636 mg/kg	-

Irritation/Corrosion

Date of issue/Date of revision: 3/3/2025Date of previous issue: 12/13/2024Version: 2513/21C131614DesignRclassic Furniture Lacquer Clear
SatinSHW-85-NA-GHS-US

Section 11. Toxicological information

Note	Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetone	n-Butyl Acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
Eyes - Mild irritant Eyes - Moderate irritant Eyes - Severe irritant Eyes - Severe irritant Rabbit - 24 hours 20 - mg - 395		Skin - Moderate irritant	Rabbit	-	24 hours 500	-
Eyes - Mild irritant Eyes - Moderate irritant Eyes - Eyere irritant Eyes - Eyere irritant Eyes - Eyere irritant Eyes - Moderate irritant Eyes - Eyere irritant Eyes - Moderate irritant Eyes - Eyere irritant Eyes					mg	
Eyes - Moderate irritant Rabbit - 24 hours 20 mg - 20 mg - 20 mg - 395 mg - 395 mg - 24 hours 500 mg - 395 mg	Acetone	Eyes - Mild irritant		-	186300 ppm	-
Eyes - Severe irritant Rabbit - 20 mg - 395 m				-		-
Eyes - Severe irritant Rabbit - 20 mg - 395 mg - 24 hours 500 - 24 hours 500 - 24 hours 500 - 24 hours 500 - 24 hours 500 - 24 hours 100 mg - 24 hours 20 - 25 hours 20 - 26 hours 20 - 27 hours 20 - 28 hours 20 - 29 hours 20 - 29 hours 20 - 29 hours 20 -		Eyes - Moderate irritant	Rabbit	-	24 hours 20	-
Skin - Mild irritant Rabbit - 395 mg - 24 hours 500 - mg 24 hours 100 - mg 25 hours 100 - mg 26 hours 100 - mg 27 hours 100 - mg 28 hours 100 - mg - 29 hours 100 - 29 ho						
Skin - Mild irritant Rabbit - 24 hours 500 mg mg 24 hours 100 - mg - 24 hours 20 - mg - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 - 24 hours 100 -				-		-
Methanol Eyes - Moderate irritant Rabbit -				-		-
Eyes - Moderate irritant Rabbit - 24 hours 100 - mg -		Skin - Mild irritant	Rabbit	-		-
Eyes - Moderate irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Moderate irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Mild irritant Eyes - Mild irritant Eyes - Mild irritant Eyes - Mild irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Mild irritant Eyes - Moderate irritant Eyes - Severe irritant Eyes						
Eyes - Moderate irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Moderate irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Eyes - Moderate irritant Eyes - Eyes - Moderate irritant Eyes - Eyes - Moderate Eyes - Moderate Eyes - Moderate Eyes - Eyes - Moderate Eyes - Eye	Methanol	Eyes - Moderate irritant	Rabbit	-		-
Eyes - Severe irritant Rabbit -						
Skin - Moderate irritant Rabbit - 24 hours 20 mg mg -				-		-
Eyes - Moderate irritant Rabbit -				-		-
Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Severe irritant Rabbit -		Skin - Moderate irritant	Rabbit	-		-
Eyes - Moderate irritant	2 Dramanal	Tues Madagets ignitaget	Dabbit			
Eyes - Severe irritant Rabbit - 100 mg - 500	2-Propanoi			-		-
Eyes - Severe irritant Rabbit - 100 mg - 500		Eyes - Moderate irritant	Rabbit	-		-
Xylene, mixed isomers Skin - Mild irritant Eyes - Mild irritant Eyes - Mild irritant Eyes - Severe irritant Rabbit -		Even Sovern irritant	Dobbit		•	
Xylene, mixed isomers Eyes - Mild irritant Eyes - Severe irritant Rabbit - Rabbit - 24 hours 5 mg Skin - Mild irritant Skin - Moderate irritant Rabbit - 100 % - 24 hours 500 - 100 mg Eyes - Mild irritant Rabbit - 0.5 minutes 100 mg - 100 mg Eyes - Mild irritant Rabbit - 870 ug - 870 ug - 870 ug - 101 Mil - 102 Hours 2 - 103 Mild irritant Rabbit - 104 Hours 2 - 105 Mild irritant Rabbit - 105 Mild irritant Rabbit - 107 Mild irritant Rabbit - 108 Mild irritant Ra				-		-
Eyes - Severe irritant	Vylone mixed icomere			-		-
Skin - Mild irritant Rat - 8 hours 60 uL -	Aylerie, mixed isomers			-		-
Skin - Mild irritant Rat -		Lyes - Severe Initalit	IXabbit	-		-
Skin - Moderate irritant Skin - Moderate irritant Skin - Moderate irritant Skin - Moderate irritant Rabbit -		Skin - Mild irritant	Rat			_
Skin - Moderate irritant						
Toluene						
Toluene Eyes - Mild irritant Rabbit - 0.5 minutes 100 mg Eyes - Mild irritant Rabbit - 870 ug - 870 ug - 0.1 Ml - 100 mg Eyes - Severe irritant Rabbit - 10.1 Ml - 10.		OKIII - Woderate II Italit	Rabbit			
Eyes - Mild irritant Rabbit - 870 ug - 0.1 Ml - Eyes - Severe irritant Rabbit - 0.1 Ml - 24 hours 2 mg - 24 hours 250 uL - 250 mg - 24 hours 250 uL - 35 mg - 35 mg - 36 mg -	Toluene	Eves - Mild irritant	Rabbit	_	•	_
Eyes - Mild irritant Rabbit - 870 ug - 0.1 Ml - 24 hours 2 mg Skin - Mild irritant Pig - 24 hours 250 uL Skin - Moderate irritant Rabbit - 435 mg - 36 kin - Moderate irritant Rabbit - 24 hours 20 mg	Toldono	Lyos Willia II Marik	rabbit			
Eyes - Severe irritant Rabbit - 0.1 Ml - 24 hours 2 mg Skin - Mild irritant Pig - 24 hours 250 uL Skin - Mild irritant Rabbit - 435 mg - Skin - Moderate irritant Rabbit - 24 hours 20 mg		Eves - Mild irritant	Rabbit	_		_
Eyes - Severe irritant Rabbit - 24 hours 2 mg Skin - Mild irritant Pig - 24 hours 250 uL Skin - Mild irritant Rabbit - 435 mg Skin - Moderate irritant Rabbit - 24 hours 250 uL Rabbit - 435 mg - 24 hours 20 mg				_		_
Skin - Mild irritant Pig - 24 hours 250 - uL Skin - Mild irritant Rabbit - 435 mg - Skin - Moderate irritant Rabbit - 24 hours 20 - mg		1 -		_		-
Skin - Mild irritant Pig - 24 hours 250 - uL Skin - Mild irritant Rabbit - 435 mg - 24 hours 20 - mg						
Skin - Mild irritant Rabbit - 435 mg - Skin - Moderate irritant Rabbit - 24 hours 20 mg		Skin - Mild irritant	Pig	_		-
Skin - Moderate irritant Rabbit - 24 hours 20 - mg						
Skin - Moderate irritant Rabbit - 24 hours 20 - mg		Skin - Mild irritant	Rabbit	_	435 mg	-
mg mg				_		-
- · · · ·		Skin - Moderate irritant	Rabbit	-	500 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-Propanol	-	3	-
Xylene, mixed isomers	-	3	-
Toluene	-	3	-

Date of issue/Date of revision: 3/3/2025Date of previous issue: 12/13/2024Version: 2514/21C131614DesignRclassic Furniture Lacquer ClearSHW-85-NA-GHS-US

Satin

Section 11. Toxicological information

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
n-Butyl Acetate	Category 3	-	Narcotic effects
Acetone	Category 3	-	Narcotic effects
Methanol	Category 1	_	-
	Category 3		Narcotic effects
2-Propanol	Category 3	-	Narcotic effects
Xylene, mixed isomers	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Toluene	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
Xylene, mixed isomers Toluene	Category 2 Category 2	-	-

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Causes damage to organs following a single exposure if inhaled. Can cause central

nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact: Causes damage to organs following a single exposure in contact with skin.

Ingestion : Harmful if swallowed. Causes damage to organs following a single exposure if

swallowed. Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation

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

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 15/21

C131614 DesignRclassic Furniture Lacquer Clear

Satin

SHW-85-NA-GHS-US

Section 11. Toxicological information

Skin contact : Adverse symptoms may include the following:

> reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

> 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 : Not available.

effects

Potential delayed effects

: Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. **Mutagenicity** : No known significant effects or critical hazards.

Teratogenicity : May damage the unborn child.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	973.55 mg/kg
Dermal	2940.82 mg/kg
Inhalation (vapors)	29.41 mg/l

Section 12. Ecological information

Toxicity

Result	Species	Exposure
Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
Acute LC50 4.42589 ml/L Marine water	Crustaceans - Acartia tonsa -	48 hours
	Copepodid	
Acute LC50 7460000 µg/l Fresh water	Daphnia - <i>Daphnia cucullata</i>	48 hours
Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
Chronic NOEC 4.95 mg/l Marine water	Algae - <i>Ulva pertusa</i>	96 hours
Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
Chronic NOEC 0.1 ml/L Fresh water	Daphnia - <i>Daphnia magna</i> -	21 days
	Acute LC50 32 mg/l Marine water Acute LC50 18000 µg/l Fresh water Acute EC50 7200000 µg/l Fresh water Acute LC50 4.42589 ml/L Marine water Acute LC50 7460000 µg/l Fresh water Acute LC50 5600 ppm Fresh water Chronic NOEC 4.95 mg/l Marine water Chronic NOEC 0.016 ml/L Fresh water	Acute LC50 32 mg/l Marine water Acute LC50 18000 μg/l Fresh water Acute EC50 7200000 μg/l Fresh water Acute LC50 4.42589 ml/L Marine water Acute LC50 7460000 μg/l Fresh water Acute LC50 7460000 μg/l Fresh water Acute LC50 5600 ppm Fresh water Chronic NOEC 4.95 mg/l Marine water Chronic NOEC 0.016 ml/L Fresh water

Date of issue/Date of revision : 12/13/2024 16/21 : 3/3/2025 Date of previous issue Version: 25

SHW-85-NA-GHS-US

C131614 DesignRclassic Furniture Lacquer Clear

Satin

Section 12. Ecological information

<u> </u>	1	ı
Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus -	42 days
	Larvae	
Acute EC50 16.912 mg/l Marine water	Algae - Ulva pertusa	96 hours
Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon -	48 hours
	Adult	
Acute LC50 3289 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> -	48 hours
_	Neonate	
Acute LC50 290 mg/l Fresh water	Fish - <i>Danio rerio</i> - Egg	96 hours
	Algae - <i>Ulva pertusa</i>	96 hours
Acute EC50 579000 µg/l Fresh water	Algae - Raphidocelis subcapitata	96 hours
Acute EC50 7550 mg/l Fresh water	Daphnia - Daphnia magna -	48 hours
	Neonate	
Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Fish - Rasbora heteromorpha	96 hours
	Crustaceans - Palaemonetes	48 hours
	pugio	
Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Acute EC50 12500 µg/l Fresh water	Algae - Raphidocelis subcapitata	72 hours
Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus	48 hours
	pseudolimnaeus - Adult	
Acute EC50 6000 µg/l Fresh water		48 hours
	Weanling)	
Acute LC50 5500 µg/l Fresh water	0,	96 hours
	_	21 days
	Acute LC50 2500000 μg/l Marine water Acute LC50 3289 mg/l Fresh water Acute LC50 290 mg/l Fresh water Chronic NOEC 9.96 mg/l Marine water Acute EC50 579000 μg/l Fresh water Acute EC50 7550 mg/l Fresh water Acute LC50 1400000 μg/l Marine water Acute LC50 4200 mg/l Fresh water Acute LC50 8500 μg/l Marine water Acute LC50 13400 μg/l Fresh water	Acute EC50 16.912 mg/l Marine water Acute LC50 2500000 μg/l Marine water Acute LC50 3289 mg/l Fresh water Acute LC50 290 mg/l Fresh water Acute EC50 290 mg/l Fresh water Acute EC50 579000 μg/l Fresh water Acute EC50 7550 mg/l Fresh water Acute LC50 1400000 μg/l Marine water Acute LC50 4200 mg/l Fresh water Acute LC50 8500 μg/l Marine water Acute LC50 13400 μg/l Fresh water Acute EC50 12500 μg/l Fresh water Acute EC50 11600 μg/l Fresh water Acute EC50 11600 μg/l Fresh water Acute EC50 6000 μg/l Fresh water Acute EC50 5500 μg/l Fresh water Acute EC50 6000 μg/l Fresh water Acute EC50 13400 μg/l

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
n-Butyl Acetate	-	-	Readily
Acetone	-	-	Readily
2-Propanol	-	-	Readily
Xylene, mixed isomers	-	-	Readily
Toluene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Methanol	-	<10	Low
Xylene, mixed isomers	-	8.1 to 25.9	Low
Toluene	-	90	Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Date of issue/Date of revision 17/21 : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25

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.

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.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3). ERG No.	ERG No.	-	Emergency schedules F-E, S-E
	128	128	128		

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 18/21

Section 14. Transport information

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: Not available. to IMO instruments

Proper shipping name

: Not available.

Section 15. Regulatory information

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
Methanol	10	67-56-1

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 (AIIC): 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.

Date of issue/Date of revision : 3/3/2025 Date of previous issue : 12/13/2024 Version: 25 19/21

Section 16. Other information

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



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.

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
ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

History

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Version

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

Date of issue/Date of revision 20/21 : 3/3/2025 Date of previous issue : 12/13/2024 Version: 25 C131614

Section 16. Other information

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 : 3/3/2025 Date of previous issue : 12/13/2024 Version : 25 21/21