

SAFETY DATA SHEET

According to 29 CFR 1910.1200
DE1650

Section 1. Identification

Product name : DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum

Product code : DE1650

Other means of identification : Not available.

Product type : Aerosol.

Relevant identified uses of the substance or mixture and uses advised against
Paint or paint related material.

Manufacturer : Dupli-Color Products Company
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : (216) 566-2917

Product Information Telephone Number : (800) 247-3270

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 : AEROSOLS - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
CARCINOGENICITY - Category 1B
TOXIC TO REPRODUCTION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 14.9% (oral), 29.6% (dermal), 27.3% (inhalation)

GHS label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: Extremely flammable aerosol. Pressurized container: may burst if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May cause cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Date of issue/Date of revision

: 8/9/2026

Date of previous issue

: 5/3/2026

Version : 25

1/28

DE1650

DUPLI-COLOR™ Engine Enamel with Ceramic
Cast Coat Aluminum

SHW-85-NA-GHS-US

Section 2. Hazards identification

Precautionary statements

General	: Keep out of reach of children. If medical advice is needed, have product container or label at hand.
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. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Wash thoroughly after handling. Do not pierce or burn, even after use.
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 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. Protect from sunlight. Do not expose to temperatures exceeding 122 °F/50 °C. 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. Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.
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

Ingredient name	% by weight	Identifiers
Acetone	≥25 - ≤50	67-64-1
Propane	≥10 - ≤25	74-98-6
Butane	≤10	106-97-8
Isopropyl Acetate	≤10	108-21-4
Xylene, mixed isomers	≤4.7	1330-20-7
Cellulose Nitrate	≤5	9004-70-0
n-Butyl Acetate	≤5	123-86-4
Ethyl 3-Ethoxypropionate	≤3	763-69-9
Methyl Ethyl Ketone	≤3	78-93-3
2-Propanol	≤3	67-63-0
Methyl Isobutyl Ketone	≤3	108-10-1
Lt. Aliphatic Hydrocarbon Solvent	≤2	64742-89-8
Amyl Acetate	≤3	628-63-7
Ethylbenzene	<1	100-41-4
Butyl Benzyl Phthalate	<1	85-68-7
Med. Aliphatic Hydrocarbon Solvent	≤0.43	64742-88-7

Date of issue/Date of revision	: 8/9/2026	Date of previous issue	: 5/3/2026	Version	: 25	2/28
DE1650	DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum				SHW-85-NA-GHS-US	

Section 3. Composition/information on ingredients

Talc	<1	14807-96-6
Titanium Dioxide	≤1	13463-67-7

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** : 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.
- 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. 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** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

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

Section 4. First aid measures

- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- 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** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : Extremely flammable aerosol. 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. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

- 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.

Section 5. Fire-fighting measures

- 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 aerosol.

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. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flames, smoking or flames in hazard area. Do not breathe dust or mist. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

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

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. 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. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store away 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. 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
Acetone	67-64-1	ACGIH TLV (United States, 1/2025) A4. TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 250 ppm. TWA 10 hours: 590 mg/m ³ . OSHA PEL (United States, 5/2018) TWA 8 hours: 1000 ppm. TWA 8 hours: 2400 mg/m ³ .
Propane	74-98-6	ACGIH TLV (United States, 1/2025) Oxygen depletion [asphyxiant] , Explosive potential. NIOSH REL (United States, 10/2020) TWA 10 hours: 1000 ppm. TWA 10 hours: 1800 mg/m ³ . OSHA PEL (United States, 5/2018) TWA 8 hours: 1000 ppm. TWA 8 hours: 1800 mg/m ³ .
Butane	106-97-8	ACGIH TLV (United States, 1/2025) [Butane] Explosive potential. STEL 15 minutes: 1000 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 800 ppm. TWA 10 hours: 1900 mg/m ³ .
Isopropyl Acetate	108-21-4	ACGIH TLV (United States, 1/2025) [Propyl acetate isomers] TWA 8 hours: 100 ppm. STEL 15 minutes: 150 ppm. OSHA PEL (United States, 5/2018) TWA 8 hours: 250 ppm. TWA 8 hours: 950 mg/m ³ .
Xylene, mixed isomers	1330-20-7	ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant. TWA 8 hours: 20 ppm. OSHA PEL (United States, 5/2018) [Xylenes] TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ .
Cellulose Nitrate n-Butyl Acetate	9004-70-0 123-86-4	None. ACGIH TLV (United States, 1/2025) [Butyl acetates] STEL 15 minutes: 150 ppm. TWA 8 hours: 50 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 150 ppm.

Section 8. Exposure controls/personal protection

Ethyl 3-Ethoxypropionate Methyl Ethyl Ketone	763-69-9 78-93-3	TWA 10 hours: 710 mg/m³. STEL 15 minutes: 200 ppm. STEL 15 minutes: 950 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 150 ppm. TWA 8 hours: 710 mg/m³. None. ACGIH TLV (United States, 1/2025) Absorbed through skin. TWA 8 hours: 75 ppm. STEL 15 minutes: 150 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 200 ppm. TWA 10 hours: 590 mg/m³. STEL 15 minutes: 300 ppm. STEL 15 minutes: 885 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 200 ppm. TWA 8 hours: 590 mg/m³.
2-Propanol	67-63-0	ACGIH TLV (United States, 1/2025) A4. TWA 8 hours: 200 ppm. STEL 15 minutes: 400 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 400 ppm. TWA 10 hours: 980 mg/m³. STEL 15 minutes: 500 ppm. STEL 15 minutes: 1225 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 400 ppm. TWA 8 hours: 980 mg/m³.
Methyl Isobutyl Ketone	108-10-1	ACGIH TLV (United States, 1/2025) A3. TWA 8 hours: 20 ppm. STEL 15 minutes: 75 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 50 ppm. TWA 10 hours: 205 mg/m³. STEL 15 minutes: 75 ppm. STEL 15 minutes: 300 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 410 mg/m³.
Lt. Aliphatic Hydrocarbon Solvent Amyl Acetate	64742-89-8 628-63-7	None. ACGIH TLV (United States, 1/2025) [Pentyl acetate] TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 100 ppm. TWA 10 hours: 525 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 525 mg/m³.
Ethylbenzene	100-41-4	ACGIH TLV (United States, 1/2025) A3. Ototoxicant. TWA 8 hours: 20 ppm. NIOSH REL (United States, 10/2020) TWA 10 hours: 100 ppm.

Section 8. Exposure controls/personal protection

Butyl Benzyl Phthalate Med. Aliphatic Hydrocarbon Solvent	85-68-7 64742-88-7	TWA 10 hours: 435 mg/m ³ . STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m ³ . OSHA PEL (United States, 5/2018) TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m ³ . None.
Talc	14807-96-6	OSHA PEL (United States, 5/2018) [Naphtha (Coal tar)] TWA 8 hours: 100 ppm. TWA 8 hours: 400 mg/m ³ . ACGIH TLV (United States, 1/2025) A4. TWA 8 hours: 2 mg/m ³ . Form: Respirable fraction. NIOSH REL (United States, 10/2020) TWA 10 hours: 2 mg/m ³ . Form: Respirable fraction.
Titanium Dioxide	13463-67-7	OSHA PEL Z3 (United States, 6/2016) TWA 8 hours: 20 mppcf. Form: not containing asbestos. STEL 30 minutes: 1 fibers/cm ³ . Form: not containing asbestos. ACGIH TLV (United States, 1/2025) A3. TWA 8 hours: 2.5 mg/m ³ . Form: respirable fraction, finescale particles. NIOSH REL (United States, 10/2020) NIA. OSHA PEL (United States, 5/2018) TWA 8 hours: 15 mg/m ³ . Form: Total dust.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
acetone	67-64-1	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 750 ppm. TWA 8 hours: 500 ppm. CA British Columbia Provincial (Canada, 8/2025) TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm. CA Quebec Provincial (Canada, 2/2024) TWA 8 hours: 250 ppm. STEL 15 minutes: 500 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 1200 mg/m ³ . OEL 15 minutes: 1800 mg/m ³ . OEL 8 hours: 500 ppm. OEL 15 minutes: 750 ppm.
Normal propane	74-98-6	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 1250 ppm. TWA 8 hours: 1000 ppm. CA British Columbia Provincial (Canada, 8/2025) Oxygen depletion [asphyxiant] ,

Section 8. Exposure controls/personal protection

Butane	106-97-8	Explosive potential. CA Ontario Provincial (Canada, 6/2019) Oxygen depletion [asphyxiant] , Explosive potential. CA Quebec Provincial (Canada, 2/2024) Oxygen depletion [asphyxiant] , Explosive potential. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 1000 ppm. CA Saskatchewan Provincial (Canada, 4/2021) [Aliphatic hydrocarbon gases, Alkane [C1-C4]] STEL 15 minutes: 1250 ppm. TWA 8 hours: 1000 ppm. CA Saskatchewan Provincial (Canada, 4/2021) [Butane] STEL 15 minutes: 1250 ppm. TWA 8 hours: 1000 ppm. CA British Columbia Provincial (Canada, 8/2025) [butane, all isomers] Explosive potential. STEL 15 minutes: 1000 ppm. CA Ontario Provincial (Canada, 6/2019) [Butane, All isomers] Explosive potential. STEL 15 minutes: 1000 ppm. CA Quebec Provincial (Canada, 2/2024) TWA EV 8 hours: 800 ppm. TWA EV 8 hours: 1900 mg/m³. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 1000 ppm.
Isopropyl acetate	108-21-4	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 200 ppm. TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 8/2025) [propyl acetate isomers] STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 100 ppm. STEL 15 minutes: 200 ppm. CA Quebec Provincial (Canada, 2/2024) [propyl acetate (isomers)] STEL 15 minutes: 150 ppm. TWA EV 8 hours: 100 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 15 minutes: 200 ppm. OEL 8 hours: 416 mg/m³. OEL 15 minutes: 832 mg/m³. OEL 8 hours: 100 ppm.
Xylene	1330-20-7	CA Saskatchewan Provincial (Canada, 4/2021) [Xylene] STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 8/2025) [xylene, all isomers] TWA 8 hours: 20 ppm.

Section 8. Exposure controls/personal protection

n-butyl acetate	123-86-4	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: 200 ppm. TWA 8 hours: 150 ppm. CA British Columbia Provincial (Canada, 8/2025) [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) OEL 15 minutes: 200 ppm. OEL 15 minutes: 950 mg/m³. OEL 8 hours: 150 ppm. OEL 8 hours: 713 mg/m³.
Methyl ethyl ketone	78-93-3	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 300 ppm. TWA 8 hours: 200 ppm. CA British Columbia Provincial (Canada, 8/2025) Repr. Absorbed through skin. TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 200 ppm. STEL 15 minutes: 300 ppm. CA Quebec Provincial (Canada, 2/2024) TWAEV 8 hours: 50 ppm. TWAEV 8 hours: 150 mg/m³. STEV 15 minutes: 100 ppm. STEV 15 minutes: 300 mg/m³. CA Alberta Provincial (Canada, 3/2023) OEL 15 minutes: 300 ppm. OEL 8 hours: 200 ppm. OEL 8 hours: 590 mg/m³.

Section 8. Exposure controls/personal protection

Isopropyl alcohol	67-63-0	OEL 15 minutes: 885 mg/m³. CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 400 ppm. TWA 8 hours: 200 ppm. CA British Columbia Provincial (Canada, 8/2025) TWA 8 hours: 200 ppm. STEL 15 minutes: 400 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 200 ppm. STEL 15 minutes: 400 ppm. CA Quebec Provincial (Canada, 2/2024) TWA 8 hours: 200 ppm. STEV 15 minutes: 400 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 15 minutes: 984 mg/m³. OEL 8 hours: 200 ppm. OEL 15 minutes: 400 ppm. OEL 8 hours: 492 mg/m³.
Methyl isobutyl ketone	108-10-1	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 75 ppm. TWA 8 hours: 50 ppm. CA British Columbia Provincial (Canada, 8/2025) Carc 2B. TWA 8 hours: 20 ppm. STEL 15 minutes: 75 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 20 ppm. STEL 15 minutes: 75 ppm. CA Quebec Provincial (Canada, 2/2024) C3. TWA 8 hours: 20 ppm. STEV 15 minutes: 75 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 205 mg/m³. OEL 8 hours: 50 ppm. OEL 15 minutes: 75 ppm. OEL 15 minutes: 307 mg/m³.
Normal amyl acetate	628-63-7	CA Saskatchewan Provincial (Canada, 4/2021) [Pentyl acetate] STEL 15 minutes: 100 ppm. TWA 8 hours: 50 ppm. CA British Columbia Provincial (Canada, 8/2025) [pentyl acetate, all isomers] TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. CA Ontario Provincial (Canada, 6/2019) [Pentyl acetate, All isomers] TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. CA Quebec Provincial (Canada, 2/2024) [pentyl acetates] STEV 15 minutes: 100 ppm. TWA 8 hours: 50 ppm. CA Alberta Provincial (Canada, 3/2023)

Section 8. Exposure controls/personal protection

Ethylbenzene	100-41-4	OEL 8 hours: 266 mg/m³. OEL 8 hours: 50 ppm. OEL 15 minutes: 532 mg/m³. OEL 15 minutes: 100 ppm. CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 8/2025) 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.
talc (none asbestiform)	14807-96-6	CA Saskatchewan Provincial (Canada, 4/2021) TWA 8 hours: 2 mg/m³. Form: respirable fraction. CA British Columbia Provincial (Canada, 8/2025) TWA 8 hours: 2 mg/m³. Form: respirable. Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 2 mg/m³. Form: respirable particulate matter. TWA 8 hours: 2 fibers/cm³. CA Quebec Provincial (Canada, 2/2024) TWAEV 8 hours: 2 mg/m³. Form: respirable aerosol fraction. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 2 mg/m³. Form: respirable particulate.
2-Butoxyethanol	111-76-2	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 30 ppm. TWA 8 hours: 20 ppm. CA British Columbia Provincial (Canada, 8/2025) 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: 97 mg/m³. OEL 8 hours: 20 ppm.

Section 8. Exposure controls/personal protection

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Acetone	67-64-1	NOM-010-STPS-2014 (Mexico, 4/2016) A4. TWA 8 hours: 500 ppm. STEL 15 minutes: 750 ppm.
Isopropyl Acetate	108-21-4	NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 100 ppm. STEL 15 minutes: 200 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.
n-Butyl Acetate	123-86-4	NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 150 ppm. STEL 15 minutes: 200 ppm.
Methyl Ethyl Ketone	78-93-3	NOM-010-STPS-2014 (Mexico, 4/2016) TWA 8 hours: 200 ppm. STEL 15 minutes: 300 ppm.
2-Propanol	67-63-0	NOM-010-STPS-2014 (Mexico, 4/2016) A4. TWA 8 hours: 200 ppm. STEL 15 minutes: 400 ppm.
Methyl Isobutyl Ketone	108-10-1	NOM-010-STPS-2014 (Mexico, 4/2016) A3. TWA 8 hours: 50 ppm. STEL 15 minutes: 75 ppm.

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.
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.
Methyl Ethyl Ketone	ACGIH BEI (United States, 1/2025) BEI: 2 mg/l, methyl ethyl ketone [in urine]. Sampling time: end of shift.
2-Propanol	ACGIH BEI (United States, 1/2025) BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at end of workweek.
Methyl Isobutyl Ketone	ACGIH BEI (United States, 1/2025) BEI: 1 mg/l, methyl isobutyl ketone [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.

Section 8. Exposure controls/personal protection

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.
Xylene, mixed isomers	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)] BEI: 1.5 g/g creatinine, methyl hippuric acids [in urine]. Sampling time: at the end of the work shift.
Methyl Ethyl Ketone	Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) BEI: 2 mg/L, MEK [in urine]. Sampling time: at the end of the work shift.
2-Propanol	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.
Methyl Isobutyl Ketone	Official Mexican STANDARD NOM-047-SSA1-2011, Environmental Health-Biological exposure indices for personnel occupationally exposed to chemical substances. (Mexico, 6/2012) BEI: 2 mg/L, MIBK [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.

Section 8. Exposure controls/personal protection

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	
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 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	: Not available.
Flash point	: Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]
Evaporation rate	: 5.6 (butyl acetate = 1)
Flammability	: Flammable aerosol.

Section 9. Physical and chemical properties

Lower and upper explosion limit/flammability limit	: Lower: 0.9% Upper: 12.8%
Vapor pressure	: 101.3 kPa (760 mm Hg)
Relative vapor density	: 1.55 [Air = 1]
Relative density	: 0.76
Density	: 0.76 g/cm ³
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 mm ² /s (<20.5 cSt)
Molecular weight	: Not applicable.
<u>Particle characteristics</u>	
Median particle size	: Not applicable.
<u>Aerosol product</u>	
Type of aerosol	: Spray
Heat of combustion	: 28.716 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).
Incompatible materials	: No specific data.
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

Acetone	Rat - Oral - LD50 5800 mg/kg <u>Toxic effects:</u> Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor
Butane	Rat - Inhalation - LC50 Vapor 658000 mg/m ³ [4 hours]
Isopropyl Acetate	Rat - Oral - LD50 6750 mg/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)
Cellulose Nitrate	Rat - Oral - LD50 >5 g/kg
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
Ethyl 3-Ethoxypropionate	Rat - Oral - LD50 3200 mg/kg <u>Toxic effects:</u> Behavioral - Ataxia
Methyl Ethyl Ketone	Rabbit - Dermal - LD50 6480 mg/kg Rat - Oral - LD50 2737 mg/kg
2-Propanol	Rabbit - Dermal - LD50 12800 mg/kg Rat - Oral - LD50 5000 mg/kg <u>Toxic effects:</u> Behavioral - General anesthetic
Methyl Isobutyl Ketone	Rat - Oral - LD50 2080 mg/kg
Ethylbenzene	Rat - Oral - LD50 3500 mg/kg <u>Toxic effects:</u> Liver - Other changes Kidney, Ureter, and Bladder - Other changes Rabbit - Dermal - LD50 >5000 mg/kg
Butyl Benzyl Phthalate	Rat - Dermal - LD50 6700 mg/kg Rabbit - Dermal - LD50 >10000 mg/kg Rat - Oral - LD50 2330 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
-------------------------	--------

Date of issue/Date of revision : 8/9/2026	Date of previous issue : 5/3/2026	Version : 25	17/28
DE1650	DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum	SHW-85-NA-GHS-US	

Section 11. Toxicological information

Acetone	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
Isopropyl Acetate	Rabbit - Skin - Mild irritant <u>Amount/concentration applied:</u> 395 mg Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
Xylene, mixed isomers	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 Rabbit - Skin - Moderate irritant <u>Amount/concentration applied:</u> 100 %
n-Butyl Acetate	Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
Ethyl 3-Ethoxypropionate	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
Methyl Ethyl Ketone	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 14 mg Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 402 mg Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
2-Propanol	Rabbit - Skin - Mild irritant <u>Amount/concentration applied:</u> 500 mg
Methyl Isobutyl Ketone	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg
Ethylbenzene	Rabbit - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 15 mg
Talc	Human - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 72 hours <u>Amount/concentration applied:</u> 300 ug l
Titanium Dioxide	Human - Skin - Mild irritant <u>Duration of treatment/exposure:</u> 72 hours <u>Amount/concentration applied:</u> 300 ug l

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
-------------------------	--------

Section 11. Toxicological information

Acetone

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

Amount/concentration applied: 87 mg

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 100 mg

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 mg

Rabbit - Eyes - Moderate irritant

Amount/concentration applied: 10 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 100 mg

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 100 uL

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 40 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 500 mg

Xylene, mixed isomers

n-Butyl Acetate

2-Propanol

Methyl Isobutyl Ketone

Ethylbenzene

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Xylene, mixed isomers	-	3	-
2-Propanol	-	3	-
Methyl Isobutyl Ketone	-	2B	-
Ethylbenzene	-	2B	-
Butyl Benzyl Phthalate	-	3	-
Talc	-	2A	-
Titanium Dioxide	-	2B	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

Result

Acetone	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Isopropyl Acetate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
n-Butyl Acetate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Methyl Ethyl Ketone	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
2-Propanol	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Methyl Isobutyl Ketone	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Lt. Aliphatic Hydrocarbon Solvent	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name

Result

Section 11. Toxicological information

Xylene, mixed isomers	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Med. Aliphatic Hydrocarbon Solvent	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Talc	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 1

Aspiration hazard

Product/ingredient name	Result
Xylene, mixed isomers	ASPIRATION HAZARD - Category 1
Lt. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1
Med. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: 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: respiratory tract irritation coughing 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: 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

Date of issue/Date of revision	: 8/9/2026	Date of previous issue	: 5/3/2026	Version	: 25	21/28
DE1650	DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum				SHW-85-NA-GHS-US	

Section 11. Toxicological information

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 : May cause 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

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
DUPLI-COLOR™ Engine Enamel with Ceramic	23659.9	39123.0	N/A	346.2	N/A
Acetone	5800	N/A	N/A	N/A	N/A
Butane	N/A	N/A	N/A	658	N/A
Isopropyl Acetate	6750	N/A	N/A	N/A	N/A
Xylene, mixed isomers	4300	2500	N/A	N/A	N/A
n-Butyl Acetate	10768	N/A	N/A	N/A	N/A
Ethyl 3-Ethoxypropionate	3200	N/A	N/A	N/A	N/A
Methyl Ethyl Ketone	2737	6480	N/A	N/A	N/A
2-Propanol	5000	12800	N/A	N/A	N/A
Methyl Isobutyl Ketone	2080	N/A	N/A	11	N/A
Ethylbenzene	3500	N/A	N/A	11	N/A
Butyl Benzyl Phthalate	2330	6700	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Acetone

Result

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]

Date of issue/Date of revision

: 8/9/2026

Date of previous issue

: 5/3/2026

Version : 25

22/28

DE1650

DUPLI-COLOR™ Engine Enamel with Ceramic
Cast Coat Aluminum

SHW-85-NA-GHS-US

Section 12. Ecological information

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 - Marine water
 Crustaceans - Brine shrimp - *Artemia salina*
110 mg/l [48 hours]
Effect: Mortality
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 - EC50 - Fresh water
 Algae - Green algae - *Raphidocelis subcapitata*
579 mg/l [96 hours]
Effect: Biochemistry
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
 Daphnia - Water flea - *Daphnia magna* - Larvae
Age: <24 hours
5091 mg/l [48 hours]
Effect: Intoxication
Acute - LC50 - Fresh water
 Fish - Fathead minnow - *Pimephales promelas*
Age: 31 days; Size: 22 mm; Weight: 0.167 g
3220 mg/l [96 hours]
Effect: Mortality
Acute - EC50 - Marine water
 Algae - Diatom - *Skeletonema costatum*
>500 mg/l [96 hours]
Effect: Population
Acute - LC50 - Marine water

Isopropyl Acetate

Xylene, mixed isomers

Cellulose Nitrate

n-Butyl Acetate

Methyl Ethyl Ketone

2-Propanol

Section 12. Ecological information

Crustaceans - Common shrimp, sand shrimp - *Crangon crangon*
 1400 mg/l [48 hours]
Effect: Mortality
Acute - LC50 - Fresh water
 Fish - Harlequinfish, red rasbora - *Rasbora heteromorpha*
Size: 1 to 3 cm
 4200 mg/l [96 hours]
Effect: Mortality
Acute - LC50 - Fresh water
 Fish - Fathead minnow - *Pimephales promelas*
Age: 29 days; Size: 21 mm; Weight: 0.141 g
 505 mg/l [96 hours]
Effect: Mortality
Chronic - NOEC - Fresh water
 Daphnia - Water flea - *Daphnia magna*
 78 mg/l [21 days]
Effect: Behavior
Chronic - NOEC - Fresh water
 Fish - Fathead minnow - *Pimephales promelas* - Embryo
Age: <24 hours
 168 mg/l [33 days]
Effect: Mortality
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 - Western mosquitofish - *Gambusia affinis* - Adult
 65 ppm [96 hours]
Effect: Mortality
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
Chronic - NOEC - Fresh water
 Daphnia - Water flea - *Daphnia magna*
Age: <24 hours
 0.17 mg/l [21 days]
Effect: Reproduction
Chronic - NOEC - Fresh water
 Fish - Threespine stickleback - *Gasterosteus aculeatus*
 10 µg/l [66 days]
Effect: Feeding Behavior
Acute - LC50 - Marine water
 Fish - Shiner perch - *Cymatogaster aggregata* - Juvenile
 (Fledgling, Hatchling, Weanling)

Methyl Isobutyl Ketone

Lt. Aliphatic Hydrocarbon Solvent

Amyl Acetate

Ethylbenzene

Butyl Benzyl Phthalate

Section 12. Ecological information

Weight: 3 g
0.51 mg/l [96 hours]
Effect: Mortality
Chronic - NOEC - Fresh water
US EPA
Algae - Diatom - *Skeletonema costatum*
0.1 mg/l [96 hours]
Effect: Population
Acute - EC50 - Fresh water
ASTM
Daphnia - Water flea - *Daphnia magna*
1 mg/l [48 hours]
Effect: Intoxication
Acute - EC50 - Fresh water
Algae - Green algae - *Raphidocelis subcapitata*
100 µg/l [96 hours]
Effect: Biochemistry
Acute - LC50 - Marine water
Fish - Mummichog - *Fundulus heteroclitus*
>1000 mg/l [96 hours]
Effect: Mortality

Titanium Dioxide

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	-	-	Readily
Xylene, mixed isomers	-	-	Readily
n-Butyl Acetate	-	-	Readily
Methyl Ethyl Ketone	-	-	Readily
2-Propanol	-	-	Readily
Methyl Isobutyl Ketone	-	-	Readily
Ethylbenzene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Xylene, mixed isomers	-	8.1 to 25.9	Low
Lt. Aliphatic Hydrocarbon Solvent	-	10 to 2500	High
Butyl Benzyl Phthalate	-	1693.25 [Bioconcentration tests with fishes and saltwater bivalve molluscs]	High

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Date of issue / Date of revision	: 8/9/2026	Date of previous issue	: 5/3/2026	Version : 25	25/28
DE1650	DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum			SHW-85-NA-GHS-US	

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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	- ERG No. 126 Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2). ERG No. 126 Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	- ERG No. 126 Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	- Dependent upon container size, this product may ship under the Limited Quantity shipping exception.	Emergency schedules F-D, S-U Dependent upon container size, this product may ship under the Limited Quantity shipping exception.

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.

Section 14. Transport information

Transport in bulk according to IMO instruments : Not available.

Bulk cargo shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

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		4
Physical hazards		3

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
AEROSOLS - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1B TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method

Date of issue/Date of revision : 8/9/2026	Date of previous issue : 5/3/2026	Version : 25	27/28
DE1650	DUPLI-COLOR™ Engine Enamel with Ceramic Cast Coat Aluminum	SHW-85-NA-GHS-US	

Section 16. Other information

History

Date of printing : 8/9/2026

Date of issue/Date of revision : 8/9/2026

Date of previous issue : 5/3/2026

Version : 25

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.