

Safety Data Sheet

DUPLI-COLOR ENGINE ENAMEL WITH CERAMIC ALUMINUM

Product: ND888

Revision date: 2018/06/11

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: Dupli-Color Engine Enamel with Ceramic, Aluminum

Synonyms: None

Chemical family: Mixture.

Product uses: Chemical.

Supplier: Same as manufacturer.

Manufacturer: Dupli-Color Products Company
180 Brunel Road
Mississauga, ON
L4Z 1T5.

Manufacturer emergency phone number: 216-566-2917.
Chemtrec 800-424-9300.

Information phone number: 800-247-3270

Section 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard Class(es): Skin corrosion/irritation, category 2 Irritant.
Toxic to reproduction, category 1B.
Toxic to reproduction, category 2.
Specific target organ toxicity following single exposure, category 3.
Specific target organ toxicity following repeated exposure, category 2.
Aspiration hazard, category 1.

Physical Hazard Class(es): Flammable aerosol, category 1.
Gas under pressure, Compressed gas.

Environmental Hazard Class(es): No environmental hazard class.

GHS Label Elements

Symbol:





Signal word: DANGER.

Hazard statement(s): H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s): P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P331 Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 Store in a well-ventilated place.
P405 Store locked up.
P410 Protect from sunlight.
P412 Do not expose to temperatures exceeding 50°C / 122°F.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

Other hazard(s): Not available.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name
106-97-8	9.71	N-BUTANE
108-88-3	0.83	TOLUENE
64-17-5	2.43	ETHYL ALCOHOL
67-63-0	1.16	2-PROPANOL
67-64-1	40.69	ACETONE
74-98-6	10.11	PROPANE
7429-90-5	1.53	ALUMINUM, ELEMENTAL
763-69-9	8.12	ETHYL 3-ETHOXYPROPIONATE
78-93-3	16.03	METHYL ETHYL KETONE (MEK)
85-68-7	0.99	BUTYL BENZYL PHTHALATE
9004-70-0	2.73	NITROCELLULOSE

Section 4: FIRST AID MEASURES

- Skin contact:** Launder contaminated clothing before re-use.
Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes.
Seek immediate medical attention.
- Eye contact:** Lift eyelids occasionally.
Immediately flush with cool water. Remove contact lenses, if any, after the initial flushing, and then continue flushing for 15 minutes. Obtain medical attention immediately.
- Inhalation:** Keep person warm and at rest.
Loosen tight clothing around the person's neck and waist.
Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain medical attention.
Maintain an open airway.
If unconscious, place in recovery position.
- Ingestion:** Never give anything by mouth to an unconscious person.
Do not induce vomiting, seek immediate medical attention.
Rinse mouth with water.
Loosen tight clothing such as a collar, tie, or waistband.
Keep airway clear.
If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus.
Remove dentures if any.
If conscious, give small quantities of water.
If unconscious, place in recovery position and get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Flammable aerosol.
- Extinguishing media:** As suitable for surrounding fire.
- Conditions of flammability:** Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.
Contaminated rags may catch fire spontaneously.
- Special procedures:** Wear a positive-pressure, self-contained breathing apparatus and full protective equipment.
Use water spray to cool fire exposed containers.

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Contents under pressure.

Rate of burning: Not available.

Hazardous combustion products: Oxides of carbon (CO, CO₂).
Oxides of nitrogen (NO_x).
Metal oxides.

Section 6: ACCIDENTAL RELEASE MEASURES

Leak/Spill: Eliminate all sources of ignition.
Contain the spill.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Do not touch spilled material.
Stop leak if without risk.
Use a non-combustible absorbent material.
Wear appropriate protective equipment.
No smoking in spill area.
Use non-sparking tools.
Stay upwind.
Use explosion proof vacuum equipment where appropriate.
Soak up with inert absorbent.
No flares in spill area.
Notify the appropriate authorities as required.
Place in a closed container for disposal.
Do not walk through spilled material.
Contaminated absorbent material may pose the same hazard as the spilled product.

Section 7: HANDLING AND STORAGE

Handling procedures: Avoid smoking, drinking, or eating during use.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Empty containers containing residue may cause a hazard.
Use non-sparking tools.
Avoid contact with skin, eyes and clothing.
Do not pierce or burn container, even after use.
Use with explosion proof equipment.
Launder contaminated clothing prior to reuse.
Thoroughly clean contaminated shoes.

Storage procedures: Keep out of direct sunlight.
Keep away from ignition sources.
Store below 50°C (122°F).
Store in a cool, dry and well ventilated area.
Keep locked up.
Store away from food and drink.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/Type:



Chemical impervious gloves.

Respiratory/Type:



Wear a NIOSH approved respirator if TLV is exceeded.

Eye/Type: Splash proof chemical goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Explosion proof ventilation.
Local exhaust and/or general ventilation.
To maintain exposure below TLV.
Use process enclosures.

Exposure limit of material: No exposure limit established for the product.

Ingredients:

C.A.S.	Ingredient Name	TLV
106-97-8	N-BUTANE	1000 PPM
108-88-3	TOLUENE	20 PPM
64-17-5	ETHYL ALCOHOL	1000 PPM
67-63-0	2-PROPANOL	200 PPM
67-64-1	ACETONE	500 PPM
74-98-6	PROPANE	1000 PPM
7429-90-5	ALUMINUM, ELEMENTAL	1 MG/M3
763-69-9	ETHYL 3-ETHOXYPROPIONATE	NOT AVAILABLE
78-93-3	METHYL ETHYL KETONE (MEK)	200 PPM
85-68-7	BUTYL BENZYL PHTHALATE	NOT AVAILABLE
9004-70-0	NITROCELLULOSE	NOT AVAILABLE

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol.

Appearance & odor: Not available.

Odor threshold (ppm): Not available.

pH: Not available.

Boiling point (°C): Not available.

Freezing point (°C): Not available.

Flash point (°C), method: PMCC
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Auto-ignition temperature (°C): Not available.

Explosive power: Vapours will accumulate and may ignite explosively.
Runoff to sewer may create fire/explosion hazard.
In a fire or if heated, a pressure increase will occur and the container may burst.

Vapour pressure (mmHg): 760
Specific gravity @ 20 °C: Not available.
Relative density: 0.76
Vapour density (air=1): 1.5
**Evaporation rate
(butyl acetate = 1):** 5.6
Solubility in water (%): Not available.
Coefficient of water\oil dist.: Not available.
VOC: Not available.

Section 10: STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.
Conditions of instability: Avoid heat, flames and sparks, ignition sources.
Hazardous polymerization: Not available.
Incompatible substances: None known.
**Hazardous products of
decomposition:** None known.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Eye contact: May cause pain.
May cause redness and tearing.
Causes serious eye irritation.

Skin contact: Irritant.
May cause redness.

Inhalation: May cause coughing.
May cause respiratory irritation.
May cause drowsiness.
May cause unconsciousness.
May cause headache and dizziness.
May cause nausea and vomiting.
May cause central nervous system depression.
May cause fatigue.
May cause vertigo.

Ingestion: May cause nausea and vomiting.
Aspiration of liquid into lungs may cause chemical pneumonitis which can be fatal.
May cause central nervous system depression.

Effects of chronic exposure: May cause narcotic effects.
Prolonged occupational overexposure to solvents may lead to permanent brain and nervous system damage.
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
May affect the skeletal system.

Sensitization to product: Not available.

Carcinogenic effects: None of the ingredients appearing in the ingredients Section are listed as carcinogens.

Reproductive effects: Suspected.

Teratogenicity: May cause teratogenic effects.

Mutagenicity: None known.

Synergistic materials: Not available.

LD50 of product, species & route: No LD50 value established for the product.

LC50 of product, species & route: No LC50 value established for the product.

Ingredients:	C.A.S.	Ingredient Name	LD50	LC50
	106-97-8	N-BUTANE	NOT AVAILABLE	658,000 MG/M3/4H RAT INHALATION 680,000 MG/M3/2H MOUSE INHALATION
	108-88-3	TOLUENE	636 MG/KG RAT ORAL 14,100 UL/KG RABBIT DERMAL	49,000 MG/M3/4 HOURS RAT INHALATION 400 PPM/24 HOURS MOUSE INHALATION 10,000 MG/M3 MOUSE INHALATION 30,000 MG/M3/2H MOUSE INHALATION
	64-17-5	ETHYL ALCOHOL	7060 MG/KG RAT ORAL 3450 MG/KG MOUSE ORAL 6300 MG/KG RABBIT ORAL	20,000 PPM/10H RAT INHALATION 39,000 MG/M3/4H MOUSE INHALATION
	67-63-0	2-PROPANOL	5000 MG/KG RAT ORAL 3600 MG/KG MOUSE ORAL 6410 MG/KG RABBIT ORAL 12,800 MG/KG RABBIT DERMAL	53,000 MG/M3 MOUSE INHALATION 72,600 MG/M3 RAT INHALATION 16,000 PPM/8H RAT INHALATION
	67-64-1	ACETONE	5800 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 5340 MG/KG RABBIT ORAL	50,100 MG/M3/8H RAT INHALATION 44,000 MG/M3/4H MOUSE INHALATION
	74-98-6	PROPANE	NOT AVAILABLE	>800000 PPM/15MIN RAT INHALATION
	7429-90-5	ALUMINUM, ELEMENTAL	NOT AVAILABLE	NOT AVAILABLE
	763-69-9	ETHYL 3-ETHOXYPROPIONATE	3200 MG/KG RAT ORAL 10 ML/KG RABBIT DERMAL	>5967 MG/M3/6H RAT INHALATION
	78-93-3	METHYL ETHYL KETONE (MEK)	2737 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 6480 MG/KG RABBIT DERMAL	23,500 MG/M3/8H RAT INHALATION 32 MG/M3/4H MOUSE INHALATION
	85-68-7	BUTYL BENZYL PHTHALATE	2330 MG/KG RAT ORAL 6700 MG/KG RAT DERMAL 4170 MG/KG MOUSE ORAL 6700 MG/KG MOUSE DERMAL >10,000 MG/KG RABBIT DERMAL	NOT AVAILABLE
	9004-70-0	NITROCELLULOSE	>5000 MG/KG RAT ORAL	NOT AVAILABLE

		>5000 MG/KG MOUSE ORAL	
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Section 11A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 64-17-5: LD50 7000 mg/kg rat oral.
CAS# 64-17-5: LC50 124700 mg/m3 rat 4 hr.

Section 12: ECOLOGICAL INFORMATION

Environmental fate: Not available.

Environmental toxicity: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG classification:

AEROSOLS
UN1950
Class 2.1.



Section 15: REGULATORY INFORMATION

DSL status: The substance(s) listed in the ingredients section appear on the Domestic Substances List.

Section 16: OTHER INFORMATION

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