

40-40(400) BLACK

Revision Date: 2013/04/08

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Exterior/Interior top coat.

Product name: 4040(400) BLACK.

Manufacturer: Flame Control Coatings Inc.
4120 Hyde Park Blvd.,
P.O.Box 786
Niagara Falls, New York, 14305.

Manufacturer emergency phone number: 800-535-5053

Supplier: Same as manufacturer.

TDG classification: Not regulated.

WHMIS classification:

D2A



DSL status: The substance(s) which appear in section 2 with CAS numbers appear on the Domestic Substances List.

Supplier MSDS date: 2013/04/04.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
124-68-5	0.1-1.0	AMINO-METHYL-PROPANOL	NOT AVAILABLE	2900 MG/KG RAT ORAL 2150 MG/KG MOUSE ORAL	NOT AVAILABLE
1332-58-7	5-10	KAOLIN	2 MG/M3 (E, R)	NOT AVAILABLE	NOT AVAILABLE
1333-86-4	1-5	CARBON BLACK	3.5 MG/M3	>15,400 MG/KG RAT ORAL >3,000 MG/KG RABBIT DERMAL	NOT AVAILABLE
25265-77-4	1-5	TEXANOL ESTER ALCOHOL	NOT AVAILABLE	3200 MG/KG RAT ORAL 3200 MG/KG MOUSE ORAL	NOT AVAILABLE
57-55-6	1-5	1,2-PROPANEDIOL	NOT AVAILABLE	20,000 MG/KG RAT ORAL 20,300 MG/KG MOUSE ORAL 18,500 MG/KG RABBIT ORAL 20,800 MG/KG RABBIT DERMAL	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Black
Mild odour.
Pigmented.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): > 1.

Volatiles (%)

By volume: 68%

**Evaporation rate
(butyl acetate = 1):** < 1.

Boiling point (°C): > 100°C.

Freezing point (°C): Not available.

pH: 8–11.5.

Specific gravity @ 20 °C: 1.05–1.15.

Solubility in water (%): Dilutable.

Coefficient of water\oil dist.: Not available.

VOC: (material).
83 g/l.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Dry chemical.
Water
Carbon dioxide.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature (°C): Not available.

Flash point (°C), method: Not applicable.

**Lower flammability
limit (% vol):** Not available.

**Upper flammability
limit (% vol):** Not available.

Explosion Data

Sensitivity to static discharge: None

Sensitivity to mechanical impact: None

Hazardous combustion products: Carbon monoxide (CO).
Carbon dioxide (CO₂).

Explosive power: Temperatures > 212F (100C).
Product will burn in a fire.

Section 5: REACTIVITY DATA

Chemical stability: Product is stable.

Conditions of instability: Keep from freezing.
Elevated temperatures.

Hazardous polymerization: Will not occur.

Incompatible substances: None known.

Hazardous decomposition products: None known.

Section 6: TOXICOLOGICAL PROPERTIES

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

Effects of acute exposure

Eye contact: May cause mild irritation.
May cause blurred vision.

Skin contact: Transient irritation.
Redness.

Inhalation: May cause mild respiratory irritation.

Ingestion: May cause mild gastrointestinal irritation.

Effects of chronic exposure: May cause irritation of eyes, nose and throat.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: No

Carcinogenic effects: Carbon black is a known animal carcinogen and a possible human carcinogen.

Reproductive effects: Not available.

Teratogenicity: No

Mutagenicity: No

Synergistic materials: No

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Nitrile rubber gloves.

Respiratory/Type:



If TLV is exceeded, wear a NIOSH approved organic respirator.

Eye/Type:



Splash proof chemical goggles.

Chemical safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Long sleeve shirt, long trousers.

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

Ventilation requirements: Local exhaust and/or general ventilation.

Leak/Spill: Absorb with inert material.
Prevent entry into drains, sewers, and other waterways.
Wear appropriate protective equipment.
Store in closed metal containers until disposal.

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

Handling procedures and equipment: Keep away from heat, sparks, and open flame.

Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Store in a cool and well ventilated area.
Keep out of direct sunlight.
Keep away from heat, and ignition sources.
Store between 4.4 – 37.7°C (40 – 100°F).
Protect from frost.

TDG classification: Not regulated.

Special shipping information: Not regulated.

Section 8: FIRST AID MEASURES

Skin contact: Wash thoroughly with soap and water.
Remove contaminated clothing.
If irritation occurs, consult a physician.

Eye contact: Obtain medical attention.
Flush with water for at least 15 minutes.

Inhalation: Remove victim to fresh air.
If breathing is difficult, obtain immediate medical attention.

Ingestion: Do not induce vomiting, seek medical attention.
Never give anything by mouth to an unconscious person.
If conscious, give 3–4 glasses of water or milk.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Note to physician: Treat symptomatically.

Section 9: ADDITIONAL INFORMATION
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General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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