

40-40 LOW GLOSS BLACK

Revision Date: 2013/04/04

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Fire retardant.

Product name: 40-40 LOW GLOSS 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
112-07-2	0.1-1.0	ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	20 PPM	2400 MG/KG RAT ORAL 3200 MG/KG MOUSE ORAL 1500 MG/KG RABBIT DERMAL	NOT AVAILABLE
124-68-5	0.1-1.0	AMINO-METHYL-PROPANOL	NOT AVAILABLE	2900 MG/KG RAT ORAL 2150 MG/KG MOUSE ORAL	NOT AVAILABLE
1317-65-3	1-5	CALCIUM CARBONATE	NOT AVAILABLE	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
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
7727-43-7	10-30	BARIUM SULFATE	10 MG/M3	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS #7727-43-7: TLV 5 mg/m³ (respirable dust).
CAS# 1317-65-3: TLV 15 mg/m³.

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: 60%
Evaporation rate (butyl acetate = 1): < 1.
Boiling point (°C): > 100°C.
Freezing point (°C): Not available.
pH: 8-11.5.
Specific gravity @ 20 °C: 1.25-1.35.
Solubility in water (%): Not available.
Coefficient of water/oil dist.: Not available.
VOC: (material).
92 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 applicable.
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:** Oxides of carbon (CO, 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.
(not respirable in this product).
Calcium carbonate contains crystalline silica a known 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: Not necessary, if adequate ventilation provided.
NIOSH approved respirator with organic vapor cartridge is required if ventilation is inadequate or exposure limits are exceeded.

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.
Do not store at elevated temperatures.
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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