

20-20A BLACK

Revision Date: 2013/04/08

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Fire retardant paint.

Product name: 20-20A 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: Not controlled.

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
107-21-1	0.1-1.0	ETHYLENE GLYCOL	100 MG/M3 (CL)	4700 MG/KG RAT ORAL 5500 MG/KG MOUSE ORAL 9530 UL/KG RABBIT DERMAL	NOT AVAILABLE
108-78-1	5-10	MELAMINE	NOT AVAILABLE	3161 MG/KG RAT ORAL 3296 MG/KG MOUSE ORAL >1000 MG/KG RABBIT DERMAL	3248 MG/M3 RAT INHALATION
112-15-2	0.1-1.0	CARBITOL ACETATE	NOT AVAILABLE	11,000 MG/KG RAT ORAL 4400 MG/KG RABBIT ORAL 15,100 UL/KG RABBIT DERMAL	NOT AVAILABLE
1333-86-4	0.1-1.0	CARBON BLACK	3.5 MG/M3	>15,400 MG/KG RAT ORAL >3,000 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: 53%

**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 (%): Dilutable.

Coefficient of water\oil dist.: Not available.

VOC: (material).
22 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 for mixture, see the ingredients section.
- 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).
- 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.
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

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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