

46081 PART B

Revision Date: 2013/04/11

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Coating.

Product name: 46081 Part B.

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: AMINES, LIQUID, CORROSIVE N.O.S. (tris-2,4,6-(dimethyl aminomethyl)phenol)
UN 2735
Class 8
PG III.



WHMIS classification:

E, D1B.



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Supplier MSDS date: 2013/04/11.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
112-24-3	1-5	TRIETHYLENE TETRAMINE	NOT AVAILABLE	2500 MG/KG RAT ORAL 38,5 MG/KG MOUSE ORAL 5500 MG/KG RABBIT ORAL 805 MG/KG RABBIT DERMAL	NOT AVAILABLE
64754-99-0	40-70	AMIDOAMINE RESIN	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
68410-23-1	15-40	POLYAMIDE RESIN	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
90-72-2	7-15	2,4,6-TRI(DIMETHYL AMINOMETHYL) PHENOL	NOT AVAILABLE	1200 MG/KG RAT ORAL 1280 MG/KG RAT DERMAL	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Viscous.
Amber
Ammoniacal odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): Not available.

Volatiles (%)

By volume: 0%

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): >250F (>121C).

Freezing point (°C): 32F (0C).

pH: Not available.
Alkaline.

Specific gravity @ 20 °C: 0.96

Solubility in water (%): <1%.

Coefficient of water\oil dist.: Not available.

VOC: 0 g/l

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: At temperatures at or above flash point.

Extinguishing media: Dry chemical.
Alcohol foam.
Water fog.
Carbon dioxide.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water spray to cool fire exposed containers.

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

Flash point (°C), method: PMCC
230F (110C).

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

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

Explosion Data

Sensitivity to static discharge: None known.

Sensitivity to mechanical impact: None

Hazardous combustion products: Oxides of carbon (CO, CO₂).
Oxides of nitrogen (NO_x).
Ammonia (NH₃).
Can react with water to form nitric acid.

Explosive power: Contact with oxidizers may cause fire or explosion.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Elevated temperatures.

Hazardous polymerization: Will not occur.

Incompatible substances: Oxidizing agents.
Acids
Nitrates.
Peroxides.

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: Pre-existing eye disorders may be aggravated by exposure.
May cause lacrimation.
May cause burns.
Severe irritant.
May cause corneal edema.

Skin contact: Severe irritant.
May cause chemical burns.
Pre-existing skin disorders may be aggravated by exposure.
May cause defatting.
May cause rash.
Harmful in contact with skin.

Inhalation: May cause scarring.
Pre-existing respiratory disorders may be aggravated by exposure.

Ingestion: May cause gastro-intestinal irritation.
Harmful if swallowed.
Tissue scarring may occur.
May cause bleeding of the gastrointestinal tract.

Effects of chronic exposure: May cause conjunctivitis.
May affect the central nervous system.
May cause corneal damage.
May cause allergic skin reaction.
Contains an ingredient which may be corrosive.
Asthma may be aggravated by this product.
May cause coughing or tightness in chest.
May cause dizziness.
Shortness of breath.

LD50 of product, species & route: >2000 mg/kg rat oral.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available.

Sensitization to product: Sensitizer.

Carcinogenic effects: None of the ingredients appearing in Section 2 are listed as carcinogens.

Reproductive effects: Not available.

Teratogenicity: None known.

Mutagenicity: None known.

Synergistic materials: None known.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Nitrile rubber gloves.

Respiratory/Type: None normally required.

NIOSH approved respirator with organic vapor cartridge is required if ventilation is inadequate or exposure limits are exceeded.

Eye/Type:



Safety glasses or goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.
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.
To maintain exposure below TLV.

Leak/Spill: Prevent entry into drains, sewers, and other waterways.
Wear appropriate protective equipment.
Cover with absorbent material.
Place in metal container.

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.
Incineration is the preferred method.

Handling procedures and equipment: Avoid smoking, drinking, or eating during use.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after handling.
Wear personal material safety protection.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep away from heat, sparks, and open flames.
Store away from acids and oxidizing materials.
Keep containers tightly closed.
Store in steel containers.
Store in a cool, dry and well ventilated area.

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Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Flush with large amounts of water, for at least 15 minutes.
Seek medical attention if irritation persists.
- Eye contact:** Flush with water for at least 15 minutes.
Obtain emergency medical attention.
- Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
- Ingestion:** Never give anything by mouth to an unconscious person.
Do not induce vomiting, seek immediate medical attention.
Drink 3 to 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.

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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