130 HIGH GLOSS

Revision Date: 2013/04/05

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Varnish.
Top coat.

Product name: 130 HIGH GLOSS.

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: PAINT
UN1263
Class 3
PG III.

WHMIS classification: B3, D2B.

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
1314−60−9	1−5	ANTIMONY PENTOXIDE	0.5 MG/M3 (SB)	NOT AVAILABLE	NOT AVAILABLE
136−52−7	0.1−1.0	COBALT ALKANOATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
22464−99−9	0.1−1.0	ZIRCONIUM DRIER	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
8052−41−3	30−60	STODDARD SOLVENT	100 PPM	NOT AVAILABLE	>1400 PPM/8H RAT INHALATION
95−63−6	0.1−1.0	1,2,4 TRIMETHYL BENZENE	25 PPM	5000 MG/KG RAT ORAL 6900 MG/KG MOUSE ORAL	18,000 MG/M3/4H RAT INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 136−52−7: TLV 0.02 mg/m3.
CAS# 22464−99−9: TLV 10 mg/m3.

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Clear
Aromatic solvent odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 2.0

Vapour density (air=1): 4.9

Volatiles (%)

By volume: 63%

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

Boiling point (°C): 157

Freezing point (°C): Not available.

pH: Not applicable.

Specific gravity @ 20 °C: 0.935−0.945.

Solubility in water (%): Insoluble.

Coefficient of water\oil dist.: Not available.

VOC: (material).
513 g/l.

Section 4: FIRE & EXPLOSION DATA

Flammability: Combustible.

Conditions of flammability: Vapours are heavier than air and may travel along the ground and be ignited by flames, sparks or other ignition sources at locations distant from the material handling point.
Heat, sparks and open flames.
Vapours may cause flash fire.

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): 232

Flash point (°C), method: Tag Closed Cup.
40.6

Lower flammability limit (% vol): 1%

Upper flammability limit (% vol): 6.0%

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Carbon monoxide (CO).
Carbon dioxide (CO2).
Acids
Aldehydes.
Toxic and irritating vapours.

Explosive power: May form explosive peroxides.
Contact with oxidizers may cause fire or explosion.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: None known.

Hazardous polymerization: Will not occur.

Incompatible substances: Strong acids.
Oxidizing agents.
Perchlorates.
Nitrates.
Peroxides.
Hypochlorites.
Reactive metal compounds.
Phosphorous compounds.

Hazardous decomposition products: Carbon monoxide.
Carbon dioxide.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause pain.
Severe irritant.
May cause redness and tearing.
May cause swelling.
May cause itching.
May cause irreversible corneal damage.

Skin contact: May cause dermatitis.
Irritant.
May cause defatting.
May cause drying and cracking.

Skin absorption: May be harmful if absorbed through the skin.
See inhalation effects.

Inhalation: Harmful if inhaled.
Irritation of the respiratory tract.
May cause narcosis.
May cause loss of appetite.
Vapors may irritate nose, throat and eyes.
May cause headache, dizziness and nausea.
May cause fatigue.
May cause tightness of the chest.

Ingestion: May cause digestive tract irritation.
May cause nausea, vomiting and diarrhea.
May cause sore throat.
Aspiration of material into lungs may cause chemical pneumonitis.
May cause abdominal pain.
Harmful or fatal if swallowed.

Effects of chronic exposure: May cause conjunctivitis.
May cause liver and kidney damage.
May cause corneal damage.
Prolonged occupational overexposure to solvents may lead to permanent brain and nervous system damage.
May cause blood damage.
May cause skin and eye damage.
May cause damage to the gastrointestinal tract.
Allergies may be aggravated by this product.
May cause damage to upper respiratory tract.
May cause damage to the central nervous system.
Pre−existing skin conditions may make the skin more susceptible to the effects of this product.
May cause loss of coordination and mental confusion.

LD50 of product, species & route: 5600 mg/kg rat oral.
> 4000 mg/kg rabbit dermal.

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: Yes

Carcinogenic effects: Possible.

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: Exhaust ventilation.
To maintain exposure below TLV.

Leak/Spill: Eliminate all sources of ignition.
Soak up with an absorbent material.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Wear appropriate protective equipment.
Use non−sparking tools.
Store in closed metal containers until disposal.

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

Handling procedures and equipment: Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after handling.
Empty containers containing residue may cause a hazard.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Bond and ground during transfer of liquid.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep out of direct sunlight.
Keep away from heat, combustibles and reactive chemicals.
Keep containers tightly closed.
Store indoors.
Store in a cool, dry and well ventilated area.
Store in metal containers.
Store in a sprinklered warehouse.

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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: Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain 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.