PROTECH OXYPLAST
Powder Coatings · Revêtements en poudre

Material Safety Data Sheet

USA Version 1.0 - Not Valid Without Verified Date

Print Date : 14-May-13
Verified Date : 14-May-13

1. Product and Company Identification

Product Name : **HS312G407**

Chemical Name : Hybrid

Supplier / Manufacturer : Protech Chemicals Ltd.
7600 Henri-Bourassa West
Saint-Laurent, Québec
Canada, H4S 1W3
Tel:514-745-0200
Fax:514-745-5774

Material Uses : Powder Coating.

Verified by : Protech Chemical ltd.

Anti-Poison Centre : 1-800-463-5060 / (418) 656-8090

2. Hazards Identification

OSHA Status : This material is considered hazardous by OSHA Hazard Communication Standard.

Routes of Entry : Dermal contact. Inhalation. Eye contact. Ingestion.

Potential Health Effects

Acute : Slightly irritating the respiratory system, skin or eyes.

Chronic : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

3. Composition / Information on Ingredients

Component name	CAS No.	% by weight
Calcium carbonate	1317-65-3	30 - 35
Carbon black	1333-86-4	0.1 - 1.0
Titanium dioxide	13463-67-7	1 - 2

4. First - Aid Measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air, keep patient warm. Keep at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Skin Contact : Immediately remove all contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. DO NOT use solvents or thinners.

Eye Contact : Remove contact lenses, keep eyelids open. Flush with plenty of clean, fresh water (10 - 15 min.). If irritation persists, seek medical attention.

Ingestion : If swallowed, do not induce vomiting. Keep at rest. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. Fire - Fighting Measures

Flammability of the Product : Finely divided powders are potentially explosive when suspended in air. Precautions should be taken to prevent the formation of dust in concentration above flammable, explosive or occupational exposure limits. (LEL: 30 g/m³)

Extinguishing Media : Use dry chemicals, CO_2, water spray or foam. If aluminum or zinc appears in section 3, use dry chemicals only. DO NOT use water jet.

PROTECH CHEMICALS LTD. NORTH YORK, ON (CANADA) TEL.: (416) 667-9697
PROTECH POWDER COATINGS INC. FAIRFIELD, NJ / YORK, PA (USA) TEL.: (973) 257-0505 / (717) 767-6996
PROTECH DO BRASIL LTDA. GAURULHOS/SP, BRAZIL
PROTECH MEXICANA S.A. DE C.V. MEXICO, D.F.
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PROLUX PAINTS INC. MONTREAL, QC (CANADA) TEL.: (514) 648-4911

Special Exposure Hazards : Promptly isolate the scene by removing all persons from vicinity of the incident if there is a fire. No action should be taken without suitable training.

Hazardous Combustion Products : Decomposition products may contain:
- Carbon Oxides
- Nitrogen Oxides
- Sulphur Oxides
- Metal Oxide / Oxides

6. Accidental Release Measures

Large Spill & Leak : Move containers from spill area. Prevent entry into sewers, water courses or confined areas. Avoid creating dusty conditions, use water spray to reduce dust. Eliminate all source of ignition. Use appropriate tools to put spilled solid in an identified waste disposal container. Dispose of according to local and regional authority requirements.

Small Spill & Leak : Move containers from spill area. Use appropriate tools to put spilled solid in an identified waste disposal container. Dispose of according to local and regional authority requirements.

Environmental Precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

7. Handling and Storage

Handling : Use appropriate personal protective equipment (see section 8). Precautions should be taken to prevent formation of dust in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Preparation may charge electrostatic: always use earth leads when transferring from one container to the other. Use only with adequate ventilation. Eating, drinking and smoking should be prohibited in areas where this material is handled, stores and processed. Wash hands and face before eating, drinking and smoking. Avoid contact with skin and eyes. Avoid inhalation of dust, particulates and spray mist arising from the application of this powder.

Storage : Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly close and sealed until ready to use. Isolate from source of heat, sparks and open flame. Do not store in unlabeled containers. Containers which are opened must be carefully released and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

Exposure Controls

Component name	CAS No.	Exposure guidelines
Calcium carbonate	1317-65-3	TLV: 10 mg/m³ PEL: 15 mg/m³
Carbon black	1333-86-4	TLV: 3.5 mg/m³ PEL: 3.5 mg/m³
Titanium dioxide	13463-67-7	TLV: 10 mg/m³ PEL: 15 mg/m³

Personal Protection

Eye Protection : Safety eye-wear should be used when there is a likelihood of exposure.

Skin Protection : Personal should wear protective clothing. Avoid prolonged contact with skin. Use gloves when handling powder. Barrier creams applied before powder use may help to protect the exposed areas of the skin but they should not be applied once exposure has occurred.

Respiratory Protection : Avoid breathing dust. Mechanical exhaust is recommended. Use a NIOSH approved respirator to remove particles. Respirator selection must be based on known or anticipated exposure levels.

Hygiene Measures : Use good personal hygiene practices. Wash hands before eating, drinking and using the lavatory and at the end of the working period. Wash contaminated clothing before reuse. Contaminated clothing should be washed independently of all other types of clothing.

9. Physical and Chemical Properties

Physical State : Solid Powder

Flash Point : Closed cup > 300°C

Colour : Green

Relative Density : 1.2 - 1.9 g/cm³

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Solubility in Water	: Insoluble in cold or hot water.
pH	: Neutral
VOC	: 0 (g/l)

10. Stability and Reactivity

Stability	: The product is stable under recommended storage and handling conditions.
Hazardous Decomposition Products	: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological Information

Acute Toxicity

Component name	Result LD50/LC50
Calcium carbonate	LD50/oral/rat: 2000-6450 mg/kg
Carbon black	LD50/oral/rat: >15400 mg/kg LD50/dermal/rabbit: >3000 mg/kg
Titanium dioxide	LD50/oral/rat: >7500 mg/kg LD50/dermal/rabbit: >10000 mg/kg

Chronic Toxicity : Contain material which may cause target organ damage: upper respiratory tract, lungs, skin or eye.

Carcinogenicity Classification

Component name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Carbon black	A4	2B				
Titanium dioxide	A4	2B				

Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Reproductive Toxicity	: No known significant effects or critical hazards.

12. Ecological Information

Aquatic Ecotoxicity	: Not available
Biodegradability	: Not available.

13. Disposal Considerations

Waste Disposal	: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT	: Not a DOT controlled material.
IMDG	: Not controlled material.
IATA	: Not controlled material.

15. Regulatory Information

SARA 313	: This product contains the following chemical(s) subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and to 40 CFR 372: None.
TSCA	: All components of this product are included in the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

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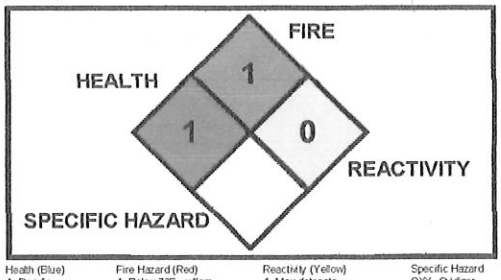
16. Other Information

HMIS

HS312G407		
HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		F

* - Chronic Hazard
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard

NFPA



Health (Blue)	Fire Hazard (Red)	Reactivity (Yellow)	Specific Hazard
4- Deadly	4- Below 73F - v flam.	4- May detonate	OXY- Oxidizer
3- Extreme danger	3- 73 to 100F - flam.	3- Shock or heat may detonate	ACID- Acid
2- Hazardous	2- 101 to 200F - comb.	2- violent chem. reaction	ALK- Alkali
1- Slightly hazardous	1- Over 200F - slightly comb.	1- Unstable if heated	COR- Corrosive
0- Normal material	0- Will not burn	0- Stable	W- Use no water
			RAD- Radiation haz.

To the best of knowledge, the information containes herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazard and sould be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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