Safety Data Sheet

according to 2012 OSHA HCS (29 CFR 1910.1200)

USA Version 1.0 - Not Valide Without Verified Date

Print Date : 23-OCT-2015
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1. Product and Company Identification

Product identifier

Product code

PolyArmor G17 Serie

Product name

PAG17 STB ALL COLOURS

Manufacturer or distributor

Distributor

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

Manufacturer

Protech Powder Coatings inc.
939 Monocacy Rd
York, PA, 17404
Tel: 717-767-6996

E-Mail

info@protechpowder.com

Recommended use

Powder Coating for professional use

Anti-Poison Centre

1-800-463-5060 / (418) 656-8090

2. Hazards Identification

Classification of the substance or mixture

Classification according to 2012 OSHA HCS (29 CFR 1910.1200)

Combustible Dust

Label elements

Signal Word

WARNING

Hazard Pictograms Hazard Statement(s) Precautionary Statement(s) OSHA Statement

May form combustible dust concentrations in air.

Other hazards

Not applicable.

3. Composition / Information on Ingredients

Mixtures

Substances presenting a hazard within the meaning of the OSHA 29 CFR 1910 (2012)

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

In case of exposure to vapors formed at elevated temperature remove victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If inconscious place in recovery position and seek medical advice.

Skin Contact

Powder form shoul be washed off with water and soap. If molten polymer contacts skin, cool rapidely with cold water (no ice) and seek medical attention.

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 ingested, seek medical attention. Never give anything by mouth to an unconscious person.

5. Fire - Fighting Measures

Flammability of the Product

Finely divided powders may form explosive mixtures when suspended in the air. Precautions should be taken to prevent formation of dust concentration above flammable, explosive or occupational exposure limits. (LEL: 30 - 75 g/m^3)

Suitable extinguishing media

Use dry chemicals, CO2, water spray or foam

Unsuitable extinguishing media

High pressure systems such as inert gas or water jet.

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

Combustion products may include carbon monoxide, carbon dioxide, aldehyde, ketones, smoke, and fumes.

Special protective equipment for firefighters

Firefighters should wear appropriate equipment and self-containing breathing apparatus with a full face -piece operated in positive pressure mode.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing dust. Refer to protective measures in sections 7 and 8.

Environmental Precautions

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

Methods and materials for containment and cleaning up

Contain and collect spillage with an electrically protected vacuum cleaner or by wet brushing and place container for disposal according to local regulations. Do not use dry brush as dust clouds or static can be created.

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 at a temperature below 90F (32°C) in a dry well ventilated place away from source of heat or direct sunlight. Keep container tightly closed until ready to use. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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8. Exposure Controls / Personal Protection

Engineering Controls

Use local exhaust ventilation or other engineering controls to maintain air born levels below exposure limits. All dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

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

Appearance

Powder **Color**

All colors

Melting Point

115 - 130 °C

Flash Point

Not available.

Relative Density

Not available.

Solubility in Water

Insoluble in cold or hot water.

Autoignition Temperature

Not available.

Decomposition Temperature

Not available.

Viscosity

Not available.

Combustible dust data

KST Value

Not available.

ST Class

1

Maximum explosion pressure

Not available.

Minimum ignition energy

Not available.

Minimum ignition temperature

300 - 400 °C

Minimum explosion concentration

120 - 150 g/m³

10. Stability and Reactivity

Reactivity
No specific test data are available for this product.

Chemical stability
The product is stable under recommended handling, storage and usage conditions.

Conditions to Avoid
Avoid dust creation when handling, avoid all possible source of ignition.

Incompatible materials
Strong oxidizing materials

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide, smoke and fumes.

11. Toxicological Information

Acute Toxicity
No hazardous ingredient.

Carcinogenicity Classification
No hazardous ingredient.

Mutagenicity
No hazardous ingredient.

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

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.

DSL

All components of this product are included in the Domestic Substance List (DSL).

SARA 313

This product contains the following chemical(s) subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Rightto-Know Act of 1986 and to 40 CFR 372:

None.

NPRI

Not applicable.

16. Other Information

HMIS

Health

*

Health

1

Flammability

1

Physical Hazard

0

Personal Protection

F

NFPA

Health

1

Fire

1

Reactivity

0

Specific Hazard

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids, for safe handling.

Abreviations

HMIS : Hazardous Materials Identification System
(* - Chronic Hazard, 0 - Minimal Hazard, 1 - Slight Hazard, 2 - Moderate Hazard, 3 - Serious Hazard, 4 - Severe Hazard)

NFPA : National Fire Protection Association
Health: 4 – Deadly, 3 -Extreme danger, 2 – Hazardous, 1 - Slightly hazardous, 0 - Normal material
Fire: 4 - Below 73°F - very flammable, 3 - 73 to 100F – flammable, 2 - 101 to 200F –combustible, 1 - Over 200F -slightly combustible, 0 - Will not Burn
Reactivity: 4- May detonate, 3- Shock or heat may detonate, 2- violent chem. Reaction, 1- Unstable if heated, 0- Stable, W- Use no water
Specific Hazard: OXY- Oxidizer, ACID- Acid, ALK- Alkali, COR- Corrosive, W- Use no water

Date of preparations

October 23 2015

23-Oct-15

PROTECH CHEMICALS LTD.
NORTH YORK, ON, CANADA

PROTECH POWDER COATINGS INC.
FAIRFIELD, NJ, USA
YORK, PA, USA
ERIE, PA, USA

PROTECH MEXICANA
S.A. DE C.V. MEXICO, D.F.

OXYPLAST
BELGIUM NV

PROTECH-OXYPLAST CZ
OPAVA,
CZECH REPUBLIC

PROLUX PAINTS INC.
MONTREAL, QC, CANADA