

MATERIAL SAFETY DATA SHEET**SECTION 1 – IDENTIFICATION OF SUBSTANCE, PREPARATION AND OF THE COMPANY**

PRODUCT NAME: Intuplas 185
PRODUCT USES: Intumescent Flame Retardant Composition
MOLECULAR FORMULA: Mixture, FireBlok™ electrical box gaskets
MANUFACTURER: Pyrophobic Systems LTD.
 649 Welham Road, Barrie, ON, L4N 0B7, Canada
 Phone: (705)7300840

EMERGENCY PHONE NUMBERS: Pyrophobic Ltd. Canada (8:30 am to 4:30 pm EST)
PREPARED BY: Regulatory Department
PREPARATION DATE: February 03, 2011

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	WT %	CAS#	OSHA PEL 8 –hour TWA mg/m3	ACGIH TLV mg/m3
Intumescent Composition	40-70	TS	Not Established	Not Established
Crystalline-Silica, Quartz	0.5-1.5	14808-60-7	10	0.05

SECTION 3 – HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Inhalation? No Eye Contact? No Skin Contact? Yes Ingestion? Yes

INHALATION: Exposure to dust of this product may cause irritation to the nose, throat and other respiratory areas. Prolonged exposure may cause silicosis, disabling and potential fatal lung diseases. Silicosis usually develops gradually. The early symptoms of silicosis are not specific so the development of illness may not be detected until its advanced stages. Evidence of silicosis can normally be seen on an X-ray.

EYE CONTACT: Exposure to airborne dust may cause immediate or delayed irritation or inflammation. **SKIN CONTACT:** Exposure to product may cause irritation and drying of the skin. Effects can be delayed until hours after the exposure has ended. **INGESTION:** Harmful if swallowed. May cause irritation to mouth, esophagus, and stomach.

CARCINOGENICITY: Contains materials that are possibly carcinogenic to humans (Group 2B).

Crystalline silica is classified by the IARC and NTP as a known human carcinogen and considered to be a carcinogen by the state of California (Preposition 65).

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY INHALATION OF DUST: Pre-existing upper respiratory and lung diseases.

NOTE: This is a mixture of components that are encapsulated in polymer that was then injection molded into material which minimizes the potential risk for exposure. This product has not been tested as a whole for health effects, but the hazards are based on existing data for the identified components.

SECTION 4 – FIRST AID MEASURES

Show this data sheet to the doctor in attendance.

INHALATION: If affected by dusting material, remove victim to fresh air. Seek medical attention.

EYES: Flush immediately and repeatedly with water for at least 15 minutes while holding eyelids open. Consult a physician immediately.

SKIN: Wash thoroughly with soap and water. If irritation develops seek medical attention.

INGESTION: Contact a physician immediately. Do not induce vomiting. Drink 2 to 3 glasses of water for dilution. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY: No

FLASHPOINT (specify method): Not applicable

FLAMMABLE LIMITS (% BY VOLUME): Not applicable

AUTO IGNITION TEMP: Not available

NFPA RATING: 0

UNUSUAL FIRE AND EXPLOSION HAZARDS: Some decomposition products may be harmful.

IMPACT SENSITIVITY: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Not sensitive

FIRE EXTINGUISHING MEDIA: Same as surrounding area

TDG FLAMMABILITY CLASSIFICATION: Not regulated.

SPECIAL FIRE-FIGHTING PROCEDURES: Wear standard fire fighting gear with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Collect dry material using a scoop. Avoid actions that cause material to become airborne. Wear personal protective equipment as described in section 8. Scrape up wet material and place in appropriate container. Allow it to dry before disposal. Do not attempt to wash the product down drains. Dispose of waste material according to local, state, provincial or federal regulations.

SECTION 7 – HANDLING AND STORAGE

Maintain a good personal hygiene. Normal temperatures do not affect the material.

SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): .

VENTILATION: General ventilation is enough to control exposures below applicable exposure limits.

PROTECTIVE GLOVES: Not required.

EYE PROTECTION: Not required.

OTHER PROTECTIVE EQUIPMENT: Wear normal working clothing.

STORAGE & HANDLING PRECAUTIONS: Store at ambient temperature in dry area.

OTHER PRECAUTIONS: Keep out of reach of children. Thoroughly wash hands with soap and water after holding material.

SECTION 9 – PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR:	White hard plastic with no odor	EVAPORATION RATE (Butyl Acetate=1):	Nil at ambient temperatures
ODOUR THRESHOLD (ppm):	Not available	PERCENT VOLATILE:	Not Available
SPECIFIC GRAVITY (H2O=1):	1.41	VAPOR DENSITY (air=1)	Not available
BOILING POINT:	Not available	SOLUBILITY IN WATER:	Not soluble
FREEZING POINT:	Not available	pH:	Not applicable
VAPOR PRESSURE (mmHg)	Not available		

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable in ambient conditions. Will expand when exposed to temperatures above 220 deg. C

INCOMPATIBILITY (Materials to avoid): Strong acids, bases, carbon, strong oxidizers.

CONDITIONS TO AVOID: High temperature.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, bromine and antimony.

SECTION 11 – TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

Section 3

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

Section 3

EXPOSURE LIMITS:

Section 2

IRRITANCY OF PRODUCT:

Section 3

SENSITISATION OF PRODUCT:

Section 3

CARCINOGENICITY:

Section 3

REPRODUCTIVE TOXICITY:

Not Applicable

MUTAGENICITY:

Not Applicable

TERATOGENICITY:

Not Applicable

VOLATILE ORGANIC COMPOUNDS:

Not Applicable

SECTION 12 – ECOLOGICAL INFORMATION

This product may be dangerous for environment. Do not empty into water or drains.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of waste material according to local, state and federal regulations. Uncontaminated material may be saved for future use. Dispose of bags in an approved landfill or incinerator.

SECTION 14 – TRANSPORTATION DATA

PROPER SHIPPING NAME:

Not Regulated

UN NUMBER:

Not Applicable

CLASS OR DIVISION:

Not Applicable

SUB RISK:

Not Applicable

PACKING GROUP:

Not Applicable

SECTION 15 – REGULATORY INFORMATION

Material considered to be hazardous as defined by Control Products Regulations and therefore is subject to the labeling and MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS).

WHMIS CLASSIFICATION:

D2A

NFPA RATINGS (0-4):

Health: 1; Fire: 0; Reactivity: 0.

HMIS RATINGS (0-4) and PPE:

Health: *1; Flammability: 0; Physical Hazard: 0.

SECTION 16 – OTHER INFORMATION

The product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

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