

Canada

Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

SECTION 1: PRODUCT AND COMPANY INDENTIFICATION

Product Name: 3300PS Product Code: PSF

Product Type: Intumescent Putty Stick Use: One-component sealant designed to seal through-penetrations of

electrical wires, conduit and cables against spread of fire, smoke

fumes and toxic gases

Chemical Family: Organic/Inorganic

Company Address:Contact Information:Passive Fire Protection PartnersTelephone: 800.810.1788

1412 Derwent Way

MEDICAL EMERGENCY Phone: Poison Control Center
Delta, BC V3M 6H9

MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711

1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887

Internet: www.firestop.com

SECTION 2. HAZARDS IDENTIFICATION

Summary Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use in a manner that

avoids generating dust. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing

that are adapted to the task being performed and the risks involved.

WHMIS 2015/OSHA HCS 2012/GHS

Hazard Symbols:



Eye irritation (Category 2B) Carcinogenicity (Category 2)

Other hazards which do not result in classification:

Skin irritation (Category 3).

Precautionary Statements:

H320: Causes eye irritation

H351: Suspected of causing cancer. H316: Causes mild skin irritation

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash thoroughly after handling.

P280: Wear protective gloves, protective clothing and eye/face protection.

P332+313: If skin irritation occurs: Get medical advice or attention.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Re-

move contact lenses if present and easy to

do. Continue rinsing.

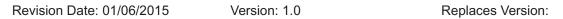
P337+313: If eye irritation persists: Get medical advice or attention.

P405: Store locked up.

P501: Dispose of contents and container to accordance with local regulations.

Recycled Recyclable

OSHA Haz Com Standard 29 CFR 1910.1200.





SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

Hazardous Components	CAS NUMBER	Weight %* Content
Polybutene	9003-29-6	25 - 29
Ammonium polyphosphate	68333-79-9	20 - 25
Expanded perlite	93763-70-3	11 - 15
Decabromodiphenyl ether	1163-19-5	8 - 12
Pentaerythritol	115-77-5	6 -10
Melamine	108-78-1	5 - 9
Antimony trioxide	1309-64-4	2 - 8
Note:		

^{*} Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protection.

SECTION 4. FIRST AID MEASURES

Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained Inhalation:

personnel. If a problem develops or persists, seek medical attention.

Skin contact: Wash affected area immediately with mild soap and warm water. Remove contaminated clothing and wash before

reuse. If a problem develops or persists, seek medical attention.

Eye contact: Immediately flush eyes with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes.

Hold eyelids apart to rinse properly. If a problem develops or persist, seek medical attention.

Ingestion: Do Not induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with

water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a

Poison Centre immediately.

Other: No information available.

Symptoms: May cause redness and irritation of the skin and to eyes. May cause an allergic reaction of the skin.

Notes to the Treat symptomatically. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from physician: lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure

should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use appropriate extinguisher for surrounding fire.

Specific hazards arising from the

chemical:

This product is used to contain fire.

Specific protective equipment: Firefighters must wear self contained breathing apparatus with full face mask.

Firefighter suit may not be efficient against chemicals.

Specific protective actions for

firefighters:

Water spray can be used to cool equipment exposed to hear and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency

procedures

Do not touch spilled material. Make sure to wear personal protective equipment

mentioned in the Safety Data Sheet.

Environmental precautions: Prevent product from entering drains.

and clean-up:

Methods and material for containment Ventilate well the area. Absorb with inert material (soil, sand, vermiculite) or wipe up or

scape up and place in an appropriate waste disposal clearly identified.

Recycled Recyclable



OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves and other protection clothing that are adapted to the task being performed and the risks involved. All items should be warmed to at least 0°C (32°F) prior to installation. Do not eat, do not drink and do not smoke during use. Keep containers tightly closed when not used. After use, wash hands with soap and water. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Store tightly close and in properly labelled container. Store away from oxidizing materials and incompatible materials (see section 10). Storage in high heat, high humidity conditions may reduce products shelf life. Keep from freezing.

Storage: 4 to 32°C (39.2 to 90°F)

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Immediately Dangerous to Life or Health

Antimony triocide: 50 mg/m³

Hazardous Components				
Expanded perlite	TWA (8h)	Respirable Dust Total Dust	3 mg/m³ 10 mg/m³	ACGIH ACGIH, RSST
Decabromodiphenyl ether	TWA (8h)		5 mg/m ³	US AIHA
Pentaerythritol	TWA (8h)		10 mg/m ³	ACGIH, BC, ON, RSST
Melamine	TWA (8h)	Respirable Dust Total Dust	5 mg/m³ 10 mg/m³	US AIHA US AIHA
Antimony trioxide	TWA (8h)	Value as Metal	0.5 mg/m ³	ACGIH, OSHA, RSST

Appropriate engineering controls:

Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits. Triphenyl phosphate: 1000 mg/m³

Individual protection measures

Eyes:

Safety glasses. If risk of contact with eyes chemical splash goggles.

Hands:

Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Before using, user should confirm impermeability. Discard gloves that show tears, pinholes, or signs of wear.

Skin:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear an apron, if necessary, to prevent repeated or prolonged contact with skin.

Respiratory:

A respirator is not required in a well ventilated area. Respiratory protection equipment (PPE) must be selected, fitted, maintained and inspected in accordance with regulations and CSA Standard Z 94.4 and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit: wear a half mask respirator with appropriate cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with appropriate cartridges and P100 filters.

Feet: Wear safety shoes.







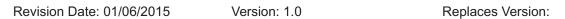


Recycled

Recyclable

Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200.





SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid Dark red Colour: Odour: Negligible Odor threshold: Not available :Ha Not available Not available Vapor pressure: Not available Boiling point/range: Not available Freezing point/range: Melting point/range: Not available

Specific gravity: 1.27 - 1.47 kg/L (Water = 1)

Flash point: Not applicable Flammable / Explosive limits - lower: Not applicable Flammable / Explosive limits - upper: Not applicable Autoignition temperature: Not applicable **Evaporation rate:** Not applicable Solubility in water: Soluble in water Vapour density Not applicable (Air = 1)

Percent Volatile: 0%

Viscosity: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Possibility of hazardous reactions:

(Including polymerizations)

Hazardous polymerization will not occur under recommended storage.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should

not be produced

Incompatible materials: Strong oxidizing agents (such as nitric acid, perchloric acid peroxides, chlorates and

perchlorates), strong acids, strong bases.

Reactivity: Not information available for this product

Conditions to avoid: Do not freeze. Avoid contact with incompatible materials. Avoid contamination with

another chemical product.

SECTION 11. TOXICOLOGICAL INFORMATION

Relevant Routes of Exposure: Inhalation, Skin Contact, Eyes, Ingestion





OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

Polybutene	Ingestion	>10000 mg/kg	Rat	LD50
	Inhalation	>19.1 mg/l/4h	Rat	LD50
	Skin	>2000 mg/kg	Rabbit	LD50
Ammonium polyphosphate	Ingestion	<2000 mg/kg	Rat	LD50
		>300 mg/kg	Rat	LC50
	Inhalation	>4.85 mg/l/4h	Rat	LD50
Expanded perlite	Ingestion	12960 mg/kg	Mouse	LD50
	Skin	>2000 mg/kg	Rabbit	LD50
Decabromodiphenyl ether	Ingestion	>2000 mg/kg	Rat	LD50
	Inhalation	>48.2 mg/l/1h	Rat	LC50
	Skin	>8000 mg/kg	Rabbit	LD50
Pentaerythritol	Ingestion	19500 mg/kg	Rat	LD50
	Inhalation	>11 mg/l/4h	Rat	LC50
	Skin	>10000 mg/kg	Rabbit	LD50
Melamine	Ingestion	3160 mg/kg	Rat	LD50
	Inhalation	>5.19 mg/l/4h	Rat	LD50
	Skin	>10000 mg/kg	Rabbit	LD50
Antimony trioxide	Ingestion	>34500 mg/kg	Rat	LD50
	Inhalation	>5.2 mg/l/4h	Rat	LC50

Delayed, immediate and chronic effects

Respiratory or skin

Numerical measures of

toxicity:

Eye contact: May cause redness and slight irritation of the eyes. The mechanical friction can increase eyes

irritation. Eye Irritation/Corrosion, Rabbit: tests performed with each ingredient of this mixture

Skin

>8300 mg/kg

Rabbit

LD50

gave not irritating to slightly irritating results.

Skin contact: The mechanical friction can increase skin irritation. Prolonged or repeated exposure may cause

skin irritation. Skin Irritation/Corrosion, Rabbit: tests performed with each ingredient of this

mixture gave not irritating to slightly irritating results.

Inhalation: Generally speaking, working cleanly and following basic precautionary measures will greatly

> minimize the potential for harmful exposure to this product under normal use conditions. Overexposure may cause nose, throat and respiratory tract irritation.

Ingestion: Swallowing will cause digestive tract disturbances resulting in nausea, vomiting, cramps and

sensitization IARC: sensitizers.

NTP Classification: Common name **IARC** NTP

Antimony trioxide 2B

IARC: 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP: K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.

Carcinogenicity: Contains ingredient possibly carcinogenic to humans. Prolonged or repeated inhalation of dust

increase the risk of cancer hazard. Reported studies on rat, run at higher lung burdens, found

Ingredients present at levels greater than or equal to 0.1% of this product are skin or respiratory

antimony trioxide dust to be a carcinogen via inhalation.

Mutagenicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to

cause mutagenic effect. Antimony trioxide show negative result on mutagenicity tests (CERI

Hazard Data 2001-7 (2002), IARC 47 (1989))

Reproductive Toxicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to

cause effects on reproduction.

Specific target organ

No target organ is listed. toxicity (single exposure):

Specific target organ toxicity (repeated

exposure):

No target organ is listed.

Interactive effects: No information available for this product.

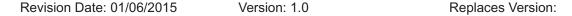
Other information: This chemical does not deplete the ozone layer.





www.firestop.com email: firestop@firestop.com

OSHA Haz Com Standard 29 CFR 1910.1200.





SECTION 12. ECOLOGICAL INFORMATION

Ecological toxicity: Fish - Oryzias latipes LC50 >500 mg/L; 48 h (Decabromodiphenyl ether)

Fish - Pimephales promelas [static] LC50 >80 mg/L; 96 h (Antimony trioxide) Fish - Leuciscus idus LC50 >10000 mg/L; 96 h (Polybutene)

Persistence May persist in the environment.

Degradability No information available for this product. The term biodegradability, as such, is

not applicable to inorganic compounds. Decabromodiphenyl ether is not readily biodegradable (0% in 28 days) according to OECD Guideline 301C. Polybutene is

readily biodegradable 93.9% in 28 days (OECD Guideline 310).

Bioaccumulative No information available for this product. Decabromodiphenyl ether has a

potential Bioconcentration Factor (BCF) of <5 and <50, indicating that its potential to

bioaccumulate is low.

Mobility in soil No information available for this product. This mixture is likely to have low mobility in

soil. The Koc of polybutene was calculated as 2691534. It is expected to have slight

mobility in soil.

Other adverse effects This chemical does not deplete the ozone layer.

SECTION 13. DISPOSAL CONSIDERATIONS

Container: Important! Prevent waste generation. Use in full. DO NOT throw residual to sewer,

streams, sewers or drinking water supply. Smaller quantities can be disposed like normal waste. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not regulated	-	-	-	-	-
TDG Classification	Not regulated	-	-	-	-	-
Mexico Classification	Not regulated	-	-	-	-	-
ADR / RID Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated

Hazard class or division: This material is not listed as marine pollutant.

Identification number:NonePacking group:None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated

Hazard class or division:NoneIdentification number:NonePacking group:None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated

Hazard class or division:

Identification number:

None

Packing group:

None







OSHA Haz Com Standard 29 CFR 1910.1200.

Revision Date: 01/06/2015 Version: 1.0 Replaces Version:

SECTION 15. REGULATORY INFORMATION

United State of America

Common Name	CAS	TSCA	CERCLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Priority
Polybutene	9003-29-6	Х								
Ammonium polyphosphate	68333-79-9	Х								
Expanded perlite	93763-70-3	Х								
Decabromodiphenyl ether	1163-19-5	Х		Х						
Pentaerythritol	115-77-5	Х				Х				
Melamine	108-78-1	Х		Х						
Antimony trioxide	1309-64-4	Х	Х						Х	

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act List of Hazardous Substances
- CWA Priority: Clean Water Act Priority Pollutant list

Canada

Common Name	CAS	CEPA	DSL	NDSL	NPRI
Polybutene	9003-29-6		Х		
Ammonium polyphosphate	68333-79-9		Х		Х
Expanded perlite	93763-70-3		Х		
Decabromodiphenyl ether	1163-19-5		Х		Х
Pentaerythritol	115-77-5		Х		
Melamine	108-78-1		Х		
Antimony trioxide	1309-64-4		Х		Х

California Proposition 65

Common Name	CAS	Cancer	Reproductive and Developmental Toxicity
Antimony trioxide	1309-64-4	Х	

SECTION 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:

Prepared by: Chemical Laboratory

Issue date: June 1, 2015



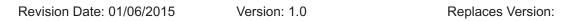


Recycled

Recyclable

Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200.





Other information

REFERENCES:

- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, http://hazmap.nlm.nih.gov/index.php
- TOXNET Databases, Toxicology Data Network, NIH U.S. National Library of Medicine, http://toxnet.nlm.nih.gov/
- Service du répertoire toxicologique de la Commission de la santé et de la sécurité du travail (CSST),

http://www.reptox.csst.qc.ca

- OECD Existing Chemicals Database, Chemicals Screening Information DataSet

(SIDS) for High Volume

Chemicals, UNEP publications, http://webnet.oecd.org/HPV/UI/Search.aspx

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

RSST: Règlement sur la santé et la sécurité du travail (Québec)

GHS: Globally Harmonized System

IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min)

TWA: Time Weighted Averages

WHMIS: Workplace Hazardous Materials Information System

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, PFP Partners does not assume responsibility for any results obtained by persons over whose methods PFP Partners has no control. It is the user's responsibility to determine the suitability of PFP Partners's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of PFP Partners's products. In light of the foregoing, PFP Partners specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of PFP Partners 's products. PFP Partners further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

