

# SAFETY DATA SHEET



## INPIPE FREELINER (UP)

### SECTION 1: Name of the product and company/company

#### 1.1 Product identifier

Product Name	INPIPE Freelineer
Internal code	INV, WIP, Flex
Chemical formula	Not applicable
REACH Reg. No.	Not Available

#### 1.2 Relevant identified uses of the product and uses advised against

##### Suggested Use

Liner for renovating sewer pipes, stormwater pipes, culverts, and similar applications.  
Fiberglass-reinforced Polyester liner.

#### 1.3 Details of the supplier of safety data sheets

Supplier:	INPIPE SWEDEN AB Ekorrvägen 12 SE-91232 Vilhelmina	Phone: +46 940 395 30 www.inpipe.se info@inpipe.se
Responsible for this Safety Data Sheets:	Nicklas Björnvind Phone: +46 940 395 30	nicklas.bjornvind@inpipe.se

#### 1.4 Emergency phone numbers

Acute: Call 112 – request poison information

### SECTION 2: Hazards

#### 2.1 Classification of the product

##### Regulation (EC) No 1272/2008 classification [CLP/GHS]

Not classified

This product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

#### 2.2. Labelling elements

Hazard Duty Diagram:	No.
Signal words:	No.
Hazard statements:	No
Complementary Marking elements:	Contains phenylbis(2,4,6-trimethylbenzoyl) phosphine oxide. May cause an allergic reaction.
Precautionary statements:	Safety data sheets are available on request.
Hazardous ingredients:	Not applicable.

#### 2.3 Other hazards

The product complies with  
criteria for PBT or  
vPvB under Regulation (EC)  
No 1907/2006, Annex XIII: The product does not contain any substances that are considered to be PBT or vPvB.

Other hazards that are not  
Causes classification: Not known.

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### SECTION 3: Composition/information on ingredients

**3.1 Substance/ 3.2 Preparation:** Glass fibre impregnated with unsaturated polyester (UP) and thickener.

The product/component name	Identifier	%	Classification Regulation (EC) No 1272/2008 [CLP]
Phenylbis(2,4,6-trimethylbenzoyl) Phosphine Oxide	REACH #: 01-2119489401-38-0005  EC: 423-340-5 CAS: 162881-26-7 Index: 015-189-00-5	≤0.06	Skin Sens. 1A, H317

Values apply to uncured product

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Contact with the eyes

Rinse your eyes immediately with plenty of water, occasionally lifting the lower and upper eyelids. Check and remove any contact lenses. Consult a doctor if irritation occurs.

##### Inhalation

Remove the person to fresh air and make sure he or she is resting in a position that makes it easier breathing. Consult a doctor if symptoms occur.

##### Skin

Wash contaminated skin with soap and water. Remove contaminated clothing and footwear. Consult doctor if symptoms occur.

##### Consumption

Rinse your mouth with water. Remove the person to fresh air and make sure he or she rests in a position that facilitates breathing. If the material has been swallowed and the affected person is When conscious, give small amounts of water to drink. Do not induce vomiting unless this is the case: ordered by medical personnel. Consult a doctor if symptoms occur.

##### Protection for first aid providers

Measures involving a personal risk or for which there is a lack of training may not be taken.

#### 4.2 Main symptoms and effects, both acute and delayed

##### Signs/symptoms of overexposure

Contact with eyes: No specific data.  
Inhalation: No specific data.  
Skin: No specific data.  
Consumption: nausea or vomiting

#### 4.3. Indication of immediate medical attention and any specific treatment required

Notice to doctors: Treated symptomatically. Contact the Poison Information Center immediately if large amounts have been swallowed or inhaled.

Special treatments: No specific treatment

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Appropriate: Use an extinguishing agent suitable for the surrounding fire.  
Not suitable: Not known.

#### 5.2. Specific hazards arising from the substance or mixture

Hazards posed by the substance or  
The mixture may cause: Not known

Hazardous combustion products: Degradation products may include the following substances:

carbon dioxide  
carbon monoxide  
(dense) black smoke  
Aldehydes  
organic acids

#### 5.3 Advice for firefighters

Special Protective Measures Immediately isolate the area by turning away people who are in the vicinity of the  
For firefighters: accident if it is the fire. Measures involving a personal risk or for which there is a lack of training may not be taken.

Special protective equipment for fire Firefighters must wear appropriate protective equipment and compressed air apparatus  
Enforcement personnel: overprint (SCBA) and full-face mask. Firefighter's equipment (e.g. helmet, safety boots and gloves) that comply with the European The EN 469 standard provides basic protection during a chemical accident.

More information: Non

Remarks: Combustible when exposed to heat or flame.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency measures

For staff other than Measures involving a personal risk or for which there is a lack of training shall not:  
Emergency responders: Taken. Evacuate surrounding areas. Prevent non-essential and unprotected personnel come in. Do not touch or walk in spilled material. Turn off all Ignition. No flames, smoking or flames in the danger zone. Avoid inhalation of vapour and mist. Ensure good ventilation. Wear appropriately respiratory protection when ventilation is inadequate. Use appropriate personal protective equipment.

For emergency responders: If the handling of the spill requires special clothing, take all information into account on suitable and unsuitable materials in Section 8. See also the information in 'For personnel other than emergency workers'.

**6.2. Environmental protection measures:** Avoid spreading spilled material, run-off, contact with soil, watercourses,  
drainage and sewage. Inform the competent authorities if the product has caused environmental pollution (sewage, watercourse, soil or air).

### 6.3. Methods and materials for containment and decontamination

Low emission: Stop the leak if it is safe to do so. Move the Liner away from the overflow area. Absorb spills with inert material (e.g. dry sand or soil) and place it in a chemical waste container.

Large Emission: Stop the leak if it is safe to do so. Move the Liner away from the overflow area. Prevent run-off into sewers, streams, basements or enclosed spaces. Wash the spill down to a waste water treatment plant or proceed as follows. Cover with non-combustible absorbent material e.g. sand, soil, vermiculite, diatomaceous earth and collect in a suitable container for disposal according to local regulations. Use an authorised waste management company for waste management.

### 6.4. Reference to others episode:

See Section 1 for emergency contact information.  
For information on appropriate personal protective equipment, see section 8.  
Further information on waste disposal can be found in section 13.

## SECTION 7: Handling and storage

The product can be stored at 20° C in its original packaging for 6 months without any loss of quality.

### 7.1 Precautions for safe handling

Protective measures: Wear appropriate personal protective equipment (see section 8).

Advice on general occupational hygiene: Eating, drinking and smoking shall be prohibited in areas where this substance is handled, stored and processed. Users should wash their hands and face before eating, drinking, or smoking. Remove soiled clothing and protective equipment before entering eating areas. Further information on hygiene measures can also be found in Section 8.

### 7.2. Condition of safe storage, including possible incompatibilities:

Store in accordance with local regulations. Store in a secluded and approved area. Store in a dry, cool and well-ventilated place, away from incompatible materials (see section 10). Keep the package tightly closed and sealed until the product is ready to be used. Once opened, the packaging must be resealed well and the original packaging must be stored. Store appropriately to avoid environmental contamination. Keep away from heat and sunlight.

### 7.3. Specific end-use

Recommendations: Liner for renovation of sewer pipes, stormwater pipes, culverts, culverts and similar applications. Fiberglass-reinforced Polyester liner.

Sectoral Solutions: Not Available

## SECTION 8: Exposure controls/personal protection

The information in this section contains general advice and instructions. All available purpose-specific information specified in the exposure scenario can be found in the list of identified uses in Section 1.

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### 8.1. Control parameters

#### Occupational exposure limits

Name of the component	Exposure limit values
No known exposure limit value.	

Recommended

Controls:

If this product contains ingredients with exposure limit values, it may be necessary to monitor the air in the workplace or to monitor biological the effectiveness of ventilation or other control measures and/or to determine whether respiratory protective equipment is necessary. Reference should be made to standards for monitoring, such as: European standard EN 689 (Workplace exposure - Guidance for the assessment of exposure by inhalation to chemical substances for comparison with limit values and measurement strategy) European standard EN 14042 (Workplace air - Guidance on the choice of method for the determination of exposure to chemical and biological agents) European Standard EN 482 (Workplace exposure - General requirements for methods of  
Reference to national guidance documents for methods for the determination of dangerous substances is also required.

#### DNEL/DMEL

No DNEL/DMEL values available.

#### PNEC

No PNEC values available.

### 8.2. Exposure controls

Appropriate technical

Good general ventilation must be sufficient to control the worker's control measures: exposure of airborne pollutants.

#### Individual protection measures

Hygienic measures:

Wash your hands, forearms and face thoroughly after handling before eating, before smoking, and before using the toilet, and at the end of the shift. An appropriate method shall be used to remove potentially contaminated clothing. Wash contaminated clothing before using it again. Make sure that eyewash stations and safety showers are in place in the close to the workplace.

Eye/Face Protection:

Safety goggles with side shields

Hand protection:

Chemically resistant, impermeable protective gloves that conform to an approved standard should always be used when handling chemical products if a risk assessment shows that this is necessary. < 1 hour (breakthrough time): Butyl rubber (0.3 mm)

Skin and body:

Workwear

Respirators:

Wear filter mask, type A

Limitation of

environmental exposure: Emissions from ventilation or equipment in the workplace should be to ensure that they meet the requirements of the Environmental Code. In some cases, it is necessary to use wet cleaners for vapours, filters or technical modification of the process equipment to reduce emissions to acceptable levels.

Remark:

Replace damaged gloves.

Advice on personal protective equipment applies in the event of high exposure. Select personal protective equipment based on a risk assessment of the exposure situation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

The Inpipe liner is delivered packaged as a flat hose in packaging that fits the dimensions of the liner. The product is protected on the inner and outer side by a foil, and sealed at both ends to prevent polyester leakage.

Physical state:	Liquid. [Clear to slightly cloudy liquid.]
Color:	Yellow
Smell:	Characteristic
Odour threshold:	Not available.
PH Host:	7 (Concentration 0.02%)
Initial boiling point and boiling interval:	>200 °C
Melting point/freezing point:	<0 °C
Softening range:	Not available.
Flash point:	>130 °C (estimate)
Flammability (solid, gas):	Combustible when exposed to heat or flame.
Evaporation rate:	Not available.
Upper/Lower:	Not available.
Flammability limit or Explosion limit	
Vapour pressure:	<0.01 kPa
Vapor Density:	1 (Air = 1)
Relative density:	1.11 (Water = 1)
Density (g/cm <sup>3</sup> ):	1.11 g/cm <sup>3</sup> (23°C)
Bulk Density:	1110 kg/m <sup>3</sup> (Temperature: 23 °C)
Solubility:	Insoluble in the following substances: cold water and hot water.
Solubility in water:	<0.02 g/100 ml
Solubility at room temperature:	<0.02 g/l
Partition coefficient: noctanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	No.
Oxidizing properties:	No.

### 9.2 Other information

Remarks: Not available.

## SECTION 10: Stability and Reactivity

**10.1 Reactivity:** It There are no test data on the reactivity of this product or its constituents.

**10.2 Chemical stability:** The product is stable  
Stable under recommended handling and storage conditions  
(see Section 7).

**10.3 The risk of dangerous reactions:** Under normal conditions of storage and use, there are no hazardous reactions.

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### 10.4 Conditions

to be avoided: Do not expose to heat/sparks/open flames/hot surfaces. - No smoking.

### 10.5 Incompatible material:

Strong acids.

### 10.6 Dangerous

Decomposition products: No Specific data

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Conclusion/Summary: Not Available

#### Acute toxicity estimation

Route of exposure	ATE value
Oral	4198.2 mg/kg
Inhalation (vapours)	N/A

#### Irritation/Corrosion

##### Conclusion/Summary

Eyes: Not available.

Skin: Not available.

Inhalation: Not available.

#### Allergenic

##### Conclusion/Summary

Skin: Not available.

Inhalation: Not available.

#### Mutagenicity

Conclusion/Summary: Not available.

#### Carcinogenicity

Conclusion/Summary: Not available.

#### Reproductive toxicity

Conclusion/Summary: Not available.

#### Birth defects

Conclusion/Summary: Not available.

Specific toxicity (single exposure): Not available.

Specific toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

#### Potentially acute health effects

Contact with eyes: No known serious effects or critical hazards.

Inhalation: No known serious effects or critical hazards.

Skin: No known serious effects or critical hazards.

Consumption: No known serious effects or critical hazards.

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### Symptoms due to physical, chemical and toxicological properties

Contact with eyes:	No specific data.
Inhalation:	No specific data.
Skin:	No specific data.
Consumption:	No specific data.

### Potentially chronic health effects

<b>Conclusion/Summary:</b>	Not available.
Generally:	No known serious effects or critical hazards.
Carcinogenicity:	No known serious effects or critical hazards.
Mutagenicity:	No known serious effects or critical hazards.
Reproductive toxicity:	No known serious effects or critical hazards

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary:** Not available.

### 12.2. Persistence and degradability

**Conclusion/Summary:** Not available.

### 12.3 Bioaccumulation

**Conclusion/Summary:** Not available.

### 12.4 Mobility in soil

Partition coefficient: soil/water ( $K_{oc}$ )	Not available.
Mobility:	Not available.

### 12.5. Results of the PBT and vPvB assessment

This product does not contain any substances that are considered to be PBT or vPvB.

**12.6 Other adverse effects:** No known serious effects or critical hazards

## SECTION 13: Disposal

### 13.1. Waste treatment methods

**Product:** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and by-products should always be in accordance with environmental protection requirements and waste management legislation as well as any local authority requirements. Hire an authorized waste disposal company for the disposal of surplus and non-recyclable products. Residues should not be discharged untreated into sewer systems unless it is fully in accordance with the requirements of all authorities.

**Hazardous waste:** According to the supplier's current knowledge, this product is not considered hazardous waste according to EU Directive 2008/98/EC.

**Packaging:** The generation of waste should be avoided or minimised wherever possible. Packaging waste must be recycled. Incineration or landfill is only possible if recycling is not possible.

### Special

**Precautions:** The product and packaging must be disposed of in a safe manner. Caution should be exercised when  
Handling of empty containers that have not been cleaned or flushed. Empty containers



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or inner containers may retain some product residues. Avoid spreading spilled material, runoff, contact with soil, watercourses, drainage and sewage.

### SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 Official transport name	-	-	-	-
14.3 Hazard class for packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

#### 14.6 Special

##### Protective measures:

**Transport within the user's area:** Always transport the product in upright, closed and secure containers. Make sure that people transporting the product know what to do in the event of an accident or spill.

#### 14.7 Carriage in bulk according to

IMO instruments: Not Available

#### 15.2. Chemical safety assessment:

No chemical safety assessment has been carried out.

#### Remarks:

NB! See section 8 for personal protective equipment and section 13 for disposal.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation EU Regulation (EC) No 1907/2006 (REACH)

Annex XIV - List of substances for which permits are required:

None of the constituents are listed.

Substances of great concern  
Serious concerns:

None of the constituents are listed.

Annex XVII - Restrictions on Manufacture, placing on the market and the use of certain dangerous substances; mixtures and articles:

Not applicable

#### Substances hazardous to the ozone layer

Not listed

#### Prior informed consent (649/2012/EU)

Not listed

#### National regulations

#### International regulations

#### Chemical Weapons Convention - Chemical Lists I, II and III Chemicals

Not listed

#### Montreal Protocol (Annex A, B, C, E)

Not listed

#### Stockholm Convention on Persistent Organic Pollutants)

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## INPIPE FREELINER (UP)

Not listed

### Rotterdam Convention on the Prior Informed Consent Procedure (PIC)

Not listed

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed

**15.2. Chemical safety assessment:** No chemical safety assessment has been carried out.

**Remarks:** NB! See section 8 for PPE and Section 13 for waste disposal.

## SECTION 16: Other Information

### Procedure used to derive the classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

Classification	Reason
Not classified	

### The full text of the hazard statements:

Not applicable.

### Classifications in full text (CLP/GHS):

Not applicable.

### Abbreviations and acronyms:

ATE = Estimated acute toxicity  
CLP = Regulation (EC) No 1272/2009 of the European Parliament and of the Council  
Classification, labelling and packaging of substances and mixtures  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH hazard statements = additional CLP hazard statements  
PBT = Persistent, bioaccumulative and toxic  
PNEC = Concentration unlikely to cause adverse effects  
RRN = REACH registration number  
vPvB = Very persistent and very bioaccumulative

**Sources of important data:** Literature data and/or survey reports are available via Manufacturer.

**Advice on education:** Handling of this substance or mixture shall be limited to staff.

### Note to the reader:

The information in this data sheet is based on our knowledge at the time of publication. The information is intended to serve as a guide for the safe handling of the product and should not be construed as a guarantee or specification of the quality of the product. We do not guarantee that the information in whole or in part can be applied to combinations of the product with other substances or specific applications.

It is the responsibility of the user to take appropriate precautions and to ensure that the product is suitable for the purpose for which it is to be used. Contact the supplier or other expert if you have any doubts.

### Information that has been added, deleted, or revised:

#### History

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