SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture
PTi Paste Non-Sag and Self Leveling - Hardener/Side B

Registration number -

Synonyms None.

SKU# PTi NS & SL - B

Issue date 11-July-2012

Version number 01

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Not available.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Prevention Technologies

Address 45 N Main Street #516, Hatfield, PA 19440

United States

Telephone General Information (215) 287-4024

e-mail Not available.

Contact person Not available.

1.4. Emergency telephone number

Chemtrec (800) 424-9300

International (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification T;R23/24/25 -48/23, R43, N;R50/53-59

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin sensitisation Category 1 May cause an allergic skin reaction.

Specific target organ toxicity - repeated exposure Category 1

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards May cause cancer. Also toxic by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact. Also toxic: danger of serious damage to health by prolonged exposure through inhalation. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment. Dangerous for the ozone layer.

Specific hazards Not available.

Main symptoms Sensitisation.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms

Material name: PTi Paste Non-Sag and Self Leveling - Hardener/Side B - Prevention Technologies, Inc.

PTi NS & SL - B Version No.: 01 Issue date: 11-July-2012
Signal word: Warning

Hazard statements: May cause an allergic skin reaction.

Precautionary statements:
Prevention: Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.
Response: IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage: Not available.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information: Not applicable.

2.3. Other hazards: Not assigned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>INDEX No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethyl Thiuram Disulfide</td>
<td></td>
<td>137-26-8</td>
<td>-</td>
<td>006-005-00-4</td>
<td></td>
</tr>
<tr>
<td>(TMTD)</td>
<td></td>
<td>205-286-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Classification:
DSD: Xn;R20/22-48/22, Xi;R36/38, R43, N;R50/53
CLP: Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Acute Tox. 4;H332, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 1;H410

Other components below reportable levels: 90 - 100

DSD: Directive 67/548/EEC.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
#: This substance has been assigned Community workplace exposure limit(s).

Composition comments: The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact: Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists.
Eye contact: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.

4.2. Most important symptoms and effects, both acute and delayed
May cause allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed
Not available.

SECTION 5: Firefighting measures

General fire hazards: Not available.

5.1. Extinguishing media
Suitable extinguishing media: Water fog.
Unsuitable extinguishing media: Water. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture: Not available.

5.3. Advice for firefighters
Special protective equipment for firefighters: Wear suitable protective equipment.
Special fire fighting procedures: Not available.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
- For non-emergency personnel: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.
- For emergency responders: Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

6.2. Environmental precautions: No special environmental precautions required.

6.3. Methods and material for containment and cleaning up: Stop the flow of material, if this is without risk. Following product recovery, flush area with water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Prevent entry into waterways, sewer, basements or confined areas.

6.4. Reference to other sections: Never return spills in original containers for re-use. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling: Avoid contact with skin.

7.2. Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Keep out of the reach of children.

7.3. Specific end use(s): Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:
- Occupational exposure limits:
  - Sweden. Occupational Exposure Limit Values
    - Components: Manganese oxide (1344-43-0), Tetramethyl Thiuram Disulfide (TMTD) (137-26-8)
    - Type: TWA, STEL
    - Value: 0.2 mg/m³, 0.1 mg/m³ for Manganese oxide; 1 mg/m³ for Tetramethyl Thiuram Disulfide
    - Form: Total dust, Respirable dust
  - Biological limit values: No biological exposure limits noted for the ingredient(s).
  - Recommended monitoring procedures: Follow standard monitoring procedures.

8.2. Exposure controls: Provide adequate general and local exhaust ventilation.

8.3. Individual protection measures, such as personal protective equipment:
- Eye/face protection: Not normally needed.
- Skin protection:
  - Hand protection: Wear protective gloves.
  - Other: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Wear suitable protective clothing. Wear protective gloves.
- Respiratory protection: No personal respiratory protective equipment normally required.
- Thermal hazards: Not available.
- Hygiene measures: Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practices.
- Environmental exposure controls: Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:
- Appearance:
  - Physical state: Not available.
  - Form: Liquid, Paste.
Material name: PTI Paste Non-Sag and Self Leveling - Hardener/Side B - Prevention Technologies, Inc.

PTI NS & SL - B  Version No.: 01  Issue date: 11-July-2012

SECTION 10: Stability and reactivity

10.1. Reactivity None known.
10.2. Chemical stability Material is stable under normal conditions.
10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid None under normal conditions.
10.5. Incompatible materials None known.
10.6. Hazardous decomposition products No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Ingestion Not available.
Inhalation Due to lack of data the classification is not possible.
Skin contact May cause an allergic skin reaction. May cause sensitisation by skin contact. Due to lack of data the classification is not possible.

Eye contact Due to lack of data the classification is not possible.

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity No data available.
Skin corrosion/irritation Due to lack of data the classification is not possible.
Serious eye damage/irritation Due to lack of data the classification is not possible.
Respiratory sensitisation Due to lack of data the classification is not possible.

Skin sensitisation May cause an allergic skin reaction.
Germ cell mutagenicity Due to lack of data the classification is not possible.
Carcinogenicity Due to lack of data the classification is not possible.
IARC Monographs. Overall Evaluation of Carcinogenicity

Tetramethyl Thiram Disulfide (TMTD) (CAS 137-26-8)  3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure Due to lack of data the classification is not possible.
Aspiration hazard Due to lack of data the classification is not possible.
Mixture versus substance information Not available.
Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Not expected to be harmful to aquatic organisms.
12.2. Persistence and degradability No data is available on the degradability of this product.
12.3. Bioaccumulative potential Not available.
Partition coefficient n-octanol/water (log Kow) Not available.
Bioconcentration factor (BCF) Not available.
12.4. Mobility in soil Not available.
12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

ADR Not regulated as dangerous goods.
RID Not regulated as dangerous goods.
ADN Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
IMDG
14.1. UN number UN3082
14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid, n.o.s., Marine pollutant
14.3. Transport hazard class(es) 9
14.4. Packing group III
14.5. Environmental hazards Marine pollutant Yes
Labels required Not available.
EmS No. F-A, S-F
14.6. Special precautions for user

This substance/mixture is not intended to be transported in bulk.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I
  Not listed.
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
  Not listed.
  Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
  Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
  Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
  Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry
  Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
  Not listed.

Authorisations

- Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation
  Not listed.

Restrictions on use

- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
  Not listed.
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
  Not regulated.
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
Not regulated.

Other EU regulations
Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Tetramethyl Thiuram Disulfide (TMTD) (CAS 137-26-8)
Directive 94/33/EC on the protection of young people at work
Tetramethyl Thiuram Disulfide (TMTD) (CAS 137-26-8)

Other regulations
The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Pregnant women should not work with the product, if there is the least risk of exposure.

National regulations
Young people under 18 years old are not allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
Not available.

References
Not available.

Information on evaluation method leading to the classification of mixture
Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15
R20/22 Harmful by inhalation and if swallowed.
R23/24/25 Also toxic by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R45 May cause cancer.
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23 Also toxic: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment.
R59 Dangerous for the ozone layer.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H373 - May cause damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Revision information
IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
Composition/Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
TRANSPORT INFORMATION: Physical States

Training information
Not available.

Disclaimer
The information in the sheet was written based on the best knowledge and experience currently available.