SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: HYDROGEN PEROXIDE PAINT STRIPPER. TT-R-2918A  Product Code: PTS-202
Products/Techniques, Inc.
3271 S. Riverside Ave.
Bloomington, CA 92316

24 HOURS EMERGENCY CONTACT:
CHEMTREC: 1.800.424.9300

Prepared by: Products/Techniques, Inc.
Contact #: (909) 877-3951

SECTION 2 - HAZARDS IDENTIFICATION

GHS Ratings:

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Toxicity</td>
<td>Acute Tox. 4 Oral&gt;300+&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Dermal Toxicity</td>
<td>Acute Tox. 4 Dermal&gt;1000+&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>Acute Tox. 4 Gases&gt;2500+&lt;=5000ppm, Vapors&gt;10+&lt;=20mg/l, Dusts&amp;mists&gt;1+&lt;=5mg/l</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>2 Reversible adverse effects in dermal tissue, Draize score: &gt;= 2.3 &lt; 4.0 or persistent inflammation</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>2A Eye irritant: Subcategory 2A, Reversible in 21 days</td>
</tr>
<tr>
<td>Respiratory sensitizer</td>
<td>1A Respiratory sensitizer</td>
</tr>
<tr>
<td>Skin sensitizer</td>
<td>1A Skin sensitizer</td>
</tr>
</tbody>
</table>

GHS Hazards:

- H302 Harmful if swallowed
- H305 May be harmful if swallowed and enters airways
- H312 Harmful in contact with skin
- H315+H320 Causes skin and eye irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation

GHS Precautions:

- P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical/ventilating/light/…/equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>37.09%</td>
</tr>
<tr>
<td>ALCOHOL</td>
<td>100-51-6</td>
<td>32.58%</td>
</tr>
<tr>
<td>NAPHTHA SOLVENT</td>
<td>64742-94-5</td>
<td>14.26%</td>
</tr>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>7722-84-1</td>
<td>6.91%</td>
</tr>
<tr>
<td>1,3-DIOXOLANE</td>
<td>646-06-0</td>
<td>6.91%</td>
</tr>
<tr>
<td>2-(2-BUTOXYETHOXY) ETHANOL</td>
<td>112-34-5</td>
<td>1.01%</td>
</tr>
<tr>
<td>HYDROXYPROPYL METHYLCELLULOSE</td>
<td>9004-65-3</td>
<td>0.88%</td>
</tr>
<tr>
<td>TRADE SECRET NON HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DMEA</td>
<td>108-01-0</td>
<td>0.01%</td>
</tr>
<tr>
<td>AMMONIA</td>
<td>7664-41-7</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

(1) NON-HAZARDOUS MATERIAL

SECTION 4 - FIRST AID MEASURES

INHALATION: Not applicable.
EYES: Flush eyes with water immediately after contact. Call physician if irritation persists.
SKIN: Not applicable.
INGESTION: If prolonged nausea or pain occurs call a doctor.

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**SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: 82 C (180 F)
LEL: UEL: 25.00

NON FLAMMABLE

EXTINGUISHING MEDIA: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide, or foam.

SPECIAL PROCEDURES: Fire fighter should wear self contained breathing apparatus as for surrounding fire.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

SPILL/LEAK PROCEDURES: Absorb the spill with a paper towel or rag.

---

**SECTION 7 - HANDLING & STORAGE**

HANDLING PRECUATIONS: No unusual precaution are necessary.

STORAGE REQUIREMENTS: KEEP OUT OF REACH OF CHILDREN AND PETS.

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**SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER 7732-18-5</td>
<td>No TLV established</td>
<td>No PEL established</td>
<td>Not Established</td>
</tr>
<tr>
<td>ALCOHOL 100-51-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>WEEL: 10 ppm 8 hr TWA</td>
</tr>
<tr>
<td>NAPHTHA SOLVENT 64742-94-5</td>
<td>TWA: 100 ppm</td>
<td>TLV: 5 mg/m3</td>
<td>Not Established</td>
</tr>
<tr>
<td>HYDROGEN PEROXIDE 7722-84-1</td>
<td>PEL 1 ppm TWA</td>
<td>TLV 1 ppm TWA</td>
<td>NIOSH REL: 1 ppm TWA</td>
</tr>
<tr>
<td></td>
<td>PEL 1.4 mg/m3 TWA</td>
<td>TLV 1.4 mg/m3 TWA</td>
<td>1.4 mg/m3 TWA</td>
</tr>
<tr>
<td>1,3-DIOXOLANE 646-06-0</td>
<td>Not established</td>
<td>20 ppm TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>2-(2-BUTOXYETHOXY) ETHANOL 112-34-5</td>
<td>TWA 20ppm</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>TWA 50ppm 240mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HYDROXYPROPYL METHYLCHEMULOSE 9004-65-3</td>
<td>Not Established</td>
<td>Not Established</td>
<td>DOW IHG 10 mg/m3</td>
</tr>
<tr>
<td>TRADE SECRET NON HAZARDOUS PROPRIETARY SURFACTANT</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

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SDS for: PTS-202

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Printed: 2/21/2018 at 10:57:56AM
DMEA 108-01-0

AMMONIA 7664-41-7

<table>
<thead>
<tr>
<th></th>
<th>Not Established</th>
<th>Not Established</th>
<th>Not Established</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50 ppm TWA; 35 mg/m3 TWA</td>
<td>35 ppm STEL 25 ppm TWA</td>
<td>NIOSH: 25 ppm TWA; 18 mg/m3 TWA 35 ppm STEL; 27 mg/m3 STEL</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS: Not Applicable.

PROTECTIVE GEAR: Not Applicable.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Clear liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>76 to 230 °C</td>
</tr>
<tr>
<td>Weight/Gallon</td>
<td>8.36</td>
</tr>
</tbody>
</table>

| VOC(lbs/gal) Less H2O and Exempt Compounds | 6.58 |

| Specific Gravity | 1.00 |

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wt% Solids</td>
<td>1.33</td>
</tr>
</tbody>
</table>

| VOC(g/l) Less H2O and Exempt Compounds | 789.03 |

<table>
<thead>
<tr>
<th>VOC (g/L) Material</th>
<th>548.22</th>
</tr>
</thead>
</table>

| % VOC (C.A.R.B) | 54.76 |

**SECTION 10 - REACTIVITY & STABILITY**

STABLE

INCOMPATIBILITIES: None known.

Hazardous polymerization will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Mixture Toxicity**

Oral Toxicity LD50: 224mg/kg
Dermal Toxicity LD50: 120mg/kg
Inhalation Toxicity LC50: 13mg/L

**Component Toxicity**

7732-18-5 WATER
  Oral LD50: 90 mL/kg (Rat:)

100-51-6 ALCOHOL
  Oral LD50: 1,230 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 9 mg/L (Rat)

7722-84-1 HYDROGEN PEROXIDE
  Oral LD50: 1,232 mg/kg (RAT) Dermal LD50: 2,000 mg/kg (RABBIT) Inhalation LC50: 2,000 mg

646-06-0 1,3-DIOXOLANE
  Oral LD50: 3 g/kg (rat)

112-34-5 2-(2-BUTOXYETHOXY) ETHANOL
  Oral LD50: 3,384 mg/kg (Rat) Dermal LD50: 2,700 mg/kg (Rabbit)
None known.

**ROUTES OF ENTRY:** skin contact, eye contact, ingestion.

**TARGET ORGANS:** None known.

**Effects of Overexposure**

**CARCINOGENICITY:** None as listed by NTP, IARC, or OSHA.

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
</table>

**ACUTE TOXICITY:** None known.

**CONDITIONS AGGRAVATED:** None known.

**CHRONIC EFFECTS:** None as listed by NTP, IARC, or OSHA

**SECTION 12 - ECOLOGICAL INFORMATION**

This product is biodegradable.

**Component Ecotoxicity**

**ALCOHOL**
96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static]
48 Hr EC50 water flea: 23 mg/L
3 Hr EC50 Anabaena variabilis: 35 mg/L

**HYDROGEN PEROXIDE**
Fish, Pimephales promelas; LC50, 96 hours, 16.4 mg/L
Crustaceans, Daphnia pulex; EC50, 48 hours, 2.4 mg/L
Algae, various species; EC50, 72 to 96 hours, 3.7 to 160 mg/L in fresh water
Algae, Nitzchia closterium; EC50, 72 to 96 hours, 0.85 mg/L in salt water

**1,3-DIOXOLANE**
No information available

**2-(2-BUTOXYETHOXY) ETHANOL**
96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static]
24 Hr EC50 water flea: 2850 mg/L; 48 Hr EC50 Daphnia magna: >100 mg/L
96 Hr EC50 Scenedesmus subspicatus: >100 mg/L

**DMEA**
96 Hr LC50 Poecilia reticulata: 570 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 495 mg/L
48 Hr EC50 Daphnia magna: 31.1 mg/L
72 Hr EC50 Scenedesmus subspicatus: 2.5 mg/L; 72 Hr EC50 Selenastrum capricornutum: 20 mg/L

**AMMONIA**
96 Hr LC50 Cyprinus carpio: 1.1 mg/L; 96 Hr LC50 Lepomis macrochirus: 0.26-4.6 mg/L; 96 Hr LC50 Pimephales promelas: 0.73-2.35 mg/L; 96 Hr LC50 Poecilia reticulata: >1.5 mg/L
48 Hr EC50 Daphnia magna: 25.4 mg/L

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and national regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING INFORMATION**

Not regulated.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.O.T.</td>
<td>NOT REGULATED</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**SECTION 15 - REGULATORY INFORMATION**
The following chemicals appear on the New Jersey Right-To-Know Chemicals list:
   646-06-0  1,3-DIOXOLANE

The following chemicals appear on the Pennsylvania Right-To-Know list:
   646-06-0  1,3-DIOXOLANE  6.91 %

SARA HAZARD CATEGORY: The product has been reviewed according to the EPA 'Hazard Categories' promulgated under sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
   100-51-6  ALCOHOL  Fire Hazard, Acute Health Hazard, Chronic Health Hazard
   64742-94-5  NAPHTHA SOLVENT  Fire Hazard, Acute Health Hazard
   7722-84-1  HYDROGEN PEROXIDE  Fire Hazard, Acute Health Hazard
   646-06-0  1,3-DIOXOLANE  Fire Hazard, Acute Health Hazard, Chronic Health Hazard
   112-34-5  2-(2-BUTOXYETHOXY) ETHANOL  Acute Health Hazard, Chronic Health Hazard

### SECTION 16 - OTHER INFORMATION

The information in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or any other process.

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU Risk Phrases</td>
<td>Safety Phrase</td>
<td>- None</td>
</tr>
</tbody>
</table>

Hazardous Material Information System (HMIS)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating
Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)

- Flammability
- Health
- Instability

Special

Date revised: 2013-10-14
Date Prepared: 2/21/2018
Reviewer Revision 1