

PRODUCTS TECHNIQUES, INC.

Safety Data Sheet

SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: HYDROGEN PEROXIDE PAINT STRIPPER. TT-R-2918A Product Code: PTS-202

Products/Techniques, Inc.
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24 HOURS EMERGENCY CONTACT:
CHEMTREC: 1.800.424.9300

OPERATING HOURS: 8:00 am - 4:30 pm PDT

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

SECTION 2 - HAZARDS IDENTIFICATION

GHS Ratings:

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

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

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P262	Do not get in eyes, on skin, or on clothing
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see ... on this label)
P322	Specific measures (see ... on this label)
P330	Rinse mouth
P361	Remove/Take off immediately all contaminated clothing
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P350	IF ON SKIN: Gently wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P370+P378	In case of fire: Use ... for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to ...

Signal Word: Danger



SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
WATER	7732-18-5	37.09%
ALCOHOL	100-51-6	32.58%
NAPHTHA SOLVENT	64742-94-5	14.26%
HYDROGEN PEROXIDE	7722-84-1	6.91%
1,3-DIOXOLANE	646-06-0	6.91%
2-(2-BUTOXYETHOXY) ETHANOL	112-34-5	1.01%
HYDROXYPROPYL METHYLCELLULOSE	9004-65-3	0.88%
TRADE SECRET NON HAZARDOUS	PROPRIETARY SURFACTANT	0.30%
DMEA	108-01-0	0.01%
AMMONIA	7664-41-7	0.00%

(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.

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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING & STORAGE

HANDLING PRECAUTIONS: No unusual precaution are necessary.

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

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

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

DMEA 108-01-0	Not Established	Not Established	Not Established
AMMONIA 7664-41-7	50 ppm TWA; 35 mg/m3 TWA	35 ppm STEL 25 ppm TWA	NIOSH: 25 ppm TWA; 18 mg/m3 TWA 35 ppm STEL; 27 mg/m3 STEL

ENGINEERING CONTROLS: Not Applicable.

PROTECTIVE GEAR: Not Applicable.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p style="text-align: center;">Appearance Clear liquid</p> <p style="text-align: center;">Boiling Range 76 to 230 °C</p> <p style="text-align: center;">Weight/Gallon 8.36</p> <p style="text-align: center;">VOC(lbs/gal) Less H2O and Exempt Compounds 6.58</p> <p style="text-align: center;">Specific Gravity 1.00</p>	<p style="text-align: center;">Physical State Liquid</p> <p style="text-align: center;">Wt% Solids 1.33</p> <p style="text-align: center;">VOC(g/l) Less H2O and Exempt Compounds 789.03</p> <p style="text-align: center;">VOC (g/L) Material 548.22</p> <p style="text-align: center;">% VOC (C.A.R.B) 54.76</p>
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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.

Inhalation Skin Contact Eye Contact Ingestion

TARGET ORGANS: None known.

Effects of Overexposure

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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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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 pules; 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, Nitzschia 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.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
D.O.T.	NOT REGULATED	N/A	N/A	N/A

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

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

- None

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.

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

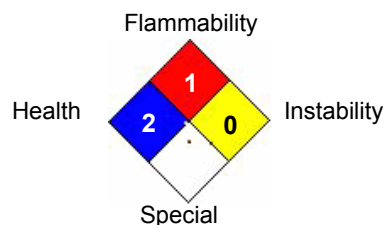
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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Inc.

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Reviewer Revision 1