

# Safety Data Sheet

## **TRANSENE** COMPANY, INC.

### SECTION 1 - PRODUCT & COMPANY INFORMATION

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

Trade Name: Lyfteze

Manufacturer: Transene Company, Inc.  
 Address: Danvers Industrial Park  
 10 Electronics Avenue Danvers, MA 01923  
 Tel: (978) 777-7860 Fax: (978) 739-5640  
[www.transene.com](http://www.transene.com)  
 Emergency No. 1-900-424-9300 CHEMTREC

### SECTION 2 - HAZARDS IDENTIFICATION

#### GHS Ratings:

Oral Toxicity	4	Oral>300+<=2000mg/kg
Dermal Toxicity	4	Dermal>1000+<=2000mg/kg
Inhalation Toxicity	4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	1C	Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Respiratory sensitizer	1A	Respiratory sensitizer

#### GHS Hazards

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315+H320	Causes skin and eye irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

#### GHS Precautions

P233	Keep container tightly closed
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
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Signal Word: Danger



### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Trade secrets, proprietary, non-hazardous, and unlisted ingredients are not hazardous to humans, the environment, and are not regulated materials.

Chemical Name	CAS number	Weight Concentration %
WATER	7732-18-5	25-30%
ALCOHOL	100-51-6	32.51%
NAPHTHA SOLVENT	64742-94-5	14.23%
HYDROGEN PEROXIDE	7722-84-1	6.90%
1,3-DIOXOLANE	646-06-0	6.90%
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	0.12%
AMMONIA	7664-41-7	0.03%

(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 naseau or pain occurs call a doctor.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 82 C (180 F)

LEL: 2.0%

UEL: 25.0%

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 <sup>3</sup>	Not Established
HYDROGEN PEROXIDE 7722-84-1	PEL 1 ppm TWA PEL 1.4 mg/m <sup>3</sup> TWA	TLV 1 ppm TWA TLV 1.4 mg/m <sup>3</sup> TWA	NIOSH REL: 1 ppm TWA 1.4 mg/m <sup>3</sup> 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 <sup>3</sup>	Not Established	Not Established
HYDROXYPROPYL METHYLCELLULOSE 9004-65-3	Not Established	Not Established	DOW IHG 10 mg/m <sup>3</sup>
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/m <sup>3</sup> TWA	35 ppm STEL 25 ppm TWA	NIOSH: 25 ppm TWA; 18 mg/m <sup>3</sup> TWA 35 ppm STEL; 27 mg/m <sup>3</sup> STEL

ENGINEERING CONTROLS: Not Applicable.

PROTECTIVE GEAR: Not Applicable.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p style="text-align: center;"><b>Appearance</b> Clear liquid</p> <p><b>Vapor Pressure:</b> 13.8 mmHg</p> <p><b>Vapor Density:</b> 3.6</p> <p style="padding-left: 40px;"><b>Density:</b> 1.00</p> <p><b>Freezing point:</b> N/A</p> <p><b>Boiling Range:</b> 76 - 230°C</p>	<p style="text-align: center;"><b>Odor</b></p> <p><b>Odor threshold:</b> N/A</p> <p style="padding-left: 40px;"><b>pH:</b> N/A</p> <p><b>Melting point:</b> N/A</p> <p style="padding-left: 40px;"><b>Solubility:</b> N/A</p> <p><b>Flash point:</b> 180F</p>
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<p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> 2% - 25%</p> <p><b>Autoignition temperature:</b> 228°C</p> <p><b>VOC(g/l) Less H2O and 787.83 Exempt Compounds</b></p> <p><b>Specific Gravity</b> 1.00</p> <p><b>Weight/Gallon</b> 8.36</p>	<p><b>Physical State</b> Liquid</p> <p><b>Partition coefficient (n-N/A octanol/water):</b></p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>VOC(lbs/gal) Less H2O and 6.57 Exempt Compounds</b></p> <p><b>% VOC (C.A.R.B)</b> 54.65</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: 2,854mg/kg  
 Dermal Toxicity LD50: 4,787mg/kg  
 Inhalation Toxicity LC50: 14mg/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/m
- 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.						
Eyes System	Kidneys	Liver	Lungs	Reproductive System	Skin	Respiratory

**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 6.90%

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

All ingredients are TSCA 2018 Resest Compliant. The chemical substances listed below are not on the TSCA Section 8 Inventory:

**SECTION 16 - OTHER INFORMATION**

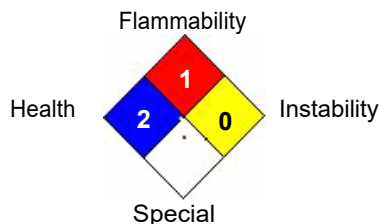
The information in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or any other process.

**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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