

SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: PROFLEX® Urethane Adhesive Remover

Address: PROFLEX® Products, Inc.
1603 Grove Ave.
Haines City, FL 33844

Emergency Contact: 1-800-424-9300

Information Phone: 1-877-577-6353

SECTION 2 - HAZARDS IDENTIFICATION

GHS Ratings

Flammable liquids	Category 3
Acute toxicity	Category 4 (oral)
Acute toxicity	Category 4 (inhalation)
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 2
Target organ toxicity, single exposure	Category 3 (narcotic effects)
Hazardous to aquatic life, acute	Category 1



GHS Hazards

H226 Combustible liquid (North America). Flammable liquid and vapor (elsewhere).

H302 Harmful if swallowed.
H315 Causes skin irritation.
H320 Causes eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness
H371 May cause damage to organs
H400 Very toxic to aquatic life

GHS Precautions

Preventions:

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flame/hot surfaced. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash with soap and water thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you don't feel unwell.
P302+P352	IF ON SKIN: wash with soap and water.
P304+P340	IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – Continue rinsing.
P309+P311	If exposed or you feel unwell: CALL a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: get medical advice/attention.
P337+P313	If eye irritation persists, get medical advice/attention.
P361	Remove/take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P405	Store locked up
P500	Dispose of contents/container following local/regional/federal regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	Product Identifier	%
2-Butoxyethanol	203-905-0	35 - 45
Ethyl-3-Ethoxypropionate	763-69-9	20 - 30
d-Limonen	5989-27-5	20 - 30

SECTION 4 - FIRST AID MEASURES**4.1. Description of first aid measures**

First aid measures general: If exposed or concerned, get medical attention/advice. Show this Safety Data Sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least for 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

IF SWALLOWING: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed.

Symptoms/injuries: not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Breathing vapor can cause irritation. Acute overexposure can cause harm to affected organs by routes of entry.

Symptoms/injuries after skin contact: primary irritation to skin, defatting, dermatitis. Absorption through skin increases exposure. Wash thoroughly after handling.

Symptoms/injuries after eye contact: primary irritation to eyes, redness, rearing, blurred vision.

Symptoms/injuries after ingestion: Harmful or fatal if swallowed. Can cause abdominal irritation, nausea, vomiting or diarrhea.

The symptoms of chemical pneumonitis may not show for several days.

SECTION 5 - FIRE FIGHTING MEASURES**5.1. Extinguishing media**

Carbon dioxide, dry powder, foam, water spray, AFFF.

5.2. Special hazards arising from the substance or mixture

Combustible

5.3. Fire Fighting Procedures/Precautions:

No open flames, no sparks, no smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment lighting. Isolate from oxidizers, heat and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container is very hazardous. Continue all labels precautions. Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

General measures: Evacuate area from non-essential personnel. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Stop leak if safe to do so. Wear suitable protective clothing. Soak up small spill with inert solids. If necessary, neutralize with using suitable buffering materials (acid with soda ash or base with phosphoric acid) and test area with litmus paper to confirm neutralization. Collect spillage. Place in suitable container for disposal in accordance with the waste regulations. Methods for cleaning up: Recover material for use if possible. Wash spill area thoroughly with plenty of water. Contain any spills with absorbents to prevent migration and

SECTION 7 - HANDLING and STORAGE**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety procedures. Use appropriate personal protection equipment (PPE). Ensure adequate ventilation. Do not eat, drink, smoke, or use personal products when handling chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well ventilated place, away from direct sunlight and sources from direct heat or where freezing is possible. Do not store above 120°F. Keep container tightly sealed. Store away from oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS and PERSONAL PROTECTION

2-butoxyethanol (111-76-2)

Remark (ACGIH)	20 ppm S
Remark (OSHA)	50 ppm

Ethyl-3-ethoxypropionate (763-69-9)

Remark (ACGIH)	50 ppm
Remark (OSHA)	50 ppm

D-Limonene (5989-27-5)

Remark (ACGIH)	Not known
Remark (OSHA)	Not known

This product contains no EPA Hazardous Air Pollutants in amounts > 0.1%.

8.2. Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Personal Protective equipment:

Eyes and Face: Safety glasses with side shield or chemical goggles.

Skin: Protective gloves, nitrile rubber or chloroprene rubber.

Protective Clothing: Protective work clothing with long sleeves. If splash hazard is present, wear a protective apron.

Respiratory Protection: Where risk assessment shows, air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

8.3. General hygiene and protection measures

Avoid contact with eyes, skin and clothing. Do not eat or drink or smoke when handling. Wash thoroughly after handling.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Water-white
Odor	Lemon
Vapor Pressure	1 mm of Hg @ 20°C
Odor threshold	No data available
Vapor Density	4.6 (air=1)
Specific Gravity (H2O = 1)	0.895
Melting point:	No data available
Freezing point:	No data available
Solubility:	Appreciable
Boiling range (IBP, 50%, Dry Point)	169 169 171°C / 337 337 340°F
Flash point (TCC)	51°C (125°F)
Evaporation Rate	0.159
Flammability	Class II
Lower flammable limit in air (% by Vol)	1
Upper flammable limit in air (% by Vol)	4.6
Partition coefficient (n-octanol/water)	No data available
Autoignition Temperature	260°C (500°F)
Decomposition Temperature	No data available
Total VOC	895.5 g/l
Non-exempt VOC	643.2 g/l

SECTION 10 - STABILITY and REACTIVITY

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions and conditions to avoid.

Isolate from oxidizers, flame and open flames.

10.4. Incompatible materials

Reacts with strong oxidizing agents causing fire and explosive hazard.

10.5. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Carbon monoxide, carbon dioxide from burning.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified

Skin corrosion/irritation: Primary irritation to skin, defatting and dermatitis.

Serious eye damage/irritation: Primary irritation to eyes, redness, tearing, blurred vision.

Respiratory or skin sensitization: Ascetic. Irritates respiratory tract.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity: May cause damage to target organs based on animal data.

Aspiration hazard: Not specific data.

Symptoms/injuries: No specific data.

Symptoms/injuries after inhalation: Overexposure may cause serious nerves system depression.

Symptoms/injuries after skin contact: May cause an allergic skin reaction. Absorption through skin increases exposure.

Symptoms/injuries after eye contact: Direct contact with eyes is likely to be irritating.

Symptoms/injuries after ingestion: Harmful or fatal is swallowed. May cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Chronic symptoms: Not known.

SECTION 12 - ECOLOGICAL INFORMATION

May be harmful or fatal to plants and animals if released into the environment.

Harmful to the aquatic life. Keep out of sewers and natural water supplies.

This product is completely biodegradable. It does not accumulate or biomagnify into environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into drains/surface waters/groundwater.

Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

SECTION 14 - TRANSPORT INFORMATION

DOT

Nonbulk: not regulated.

Combustible liquid: not regulated on trucks in containers less than 119 gal.

IATA

UN 1993, Flammable Liquids, n.o.s.

IMDG

UN 1993, Flammable Liquids, n.o.s

SECTION 15 - REGULATORY INFORMATION

All components of this product are listed on the TSCA inventory.

SARA Section 311/312 (Specific toxic chemical listed)

Acute health, Chronic health, Fire.

SARA Section 313 (Specific toxic chemical listed)

111-76-2

State of California Safe Drinking water and Toxic Enforcement Act of 1986 (Proposition 65):

This product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

State Regulations: Consult state and local authorities for guidance.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

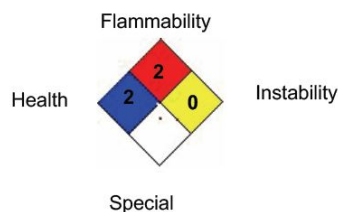
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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