

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Pace Cart Cleaning Solvent
Product Number: quarts, gallons
Chemical Name: Polyurethane Remover
CAS Number: Mixture

Company Identification

ERSystems- Elastomeric Roofing Systems, Inc.
6900 Bleck Dr
Rockford, MN 55373 USA
1-800-403-7747 (For product information)
1-800-535-5053 Infotrac (For emergencies)

SPECIAL NOTES:

Polyurethane remover.

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% Pace Cart Cleaning Solvent

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
2-PYRROLIDINONE, 1-METHYL-	40.0 - 70.0 %	872-50-4
2(3H)-FURANONE, DIHYDRO-	10.0 - 30.0 %	96-48-0

NON-HAZARDOUS COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
ETHANOL, 2-PHENOXY-	10.0 - 30.0 %	122-99-6
PROPANOL, [2-(2-METHOXYMETHYLETHOXY)METHYLETHOXY]	5.0 - 10.0 %	25498-49-1
PROPANOIC ACID, 3-ETHOXY-, ETHYL ESTER	3.0 - 7.0 %	763-69-9

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               CAUTION                               *
*
* Prolonged or repeated contact may cause skin or eye             *
* irritation. May be harmful if swallowed.                          *
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*****
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HMIS Rating - Health: 2
Flammability: 1
Reactivity: 0
Personal Protection Index: X

POTENTIAL HEALTH EFFECTS

EYE:

Contact may cause eye irritation. High concentration of product vapors can cause severe irritation of eyes.

SKIN:

Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.

INHALATION:

Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation. Vapors may have a strong offensive odor which may cause headaches, nausea, and vomiting.

INGESTION:

Harmful if swallowed. May cause vomiting.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Remove contaminated clothing and shoes. Wash affected area immediately with large amounts of soap and water. Get medical attention if irritation develops or persists.



(section 4 continued)

INHALATION FIRST AID:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

INGESTION FIRST AID:

Do not induce vomiting. Contact a physician. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 99 C (210.2 F)
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

FLAMMABLE PROPERTIES:

Full emergency equipment with self contained breathing apparatus and full protective clothing should be worn. Explosive rupture is possible. Use cold water to cool containers exposed to fire.

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

Material will burn in a fire. Irritating and/or toxic gases may be emitted upon the products decomposition.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear safety goggles. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Contain spilled material. Absorb spills with inert material.



(section 6 continued)

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 15.6 C (60.1 F)
Maximum: 26.7 C (80.1 F)

SHELF LIFE: (in original, sealed containers)

8 months @ 26.7 C

HANDLING (PERSONNEL):

Avoid prolonged or repeated contact with skin. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Provide appropriate ventilation. Close container after each use. Keep container closed to avoid contamination. Keep out of reach of children.

STORAGE PRECAUTIONS:

Avoid extreme temperatures. Keep container closed when not in use. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use general ventilation and use local exhaust, where possible, in confined or enclosed areas.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses. A respiratory protection program that meets OSHA's 29 CFR 1910-134 and ANSI Z88-2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION REQUIREMENTS:

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation. Wash hands thoroughly after handling.



(section 8 continued)

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear
ODOR: Strong, Solvent Odor
BOILING POINT: >200 C
VAPOR PRESSURE: <1 mm Hg
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.06 (Water = 1)
VISCOSITY: 800 cps
VOLATILE ORGANIC COMPOUNDS (VOC) ...: 8.76 lb/gallon

10. STABILITY AND REACTIVITY

STABILITY:

Stable; however, may decompose if heated.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.



13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Pace Cart Cleaning Solvent
D.O.T. SHIPPING NAME ...: Not-Regulated

15. REGULATORY INFORMATION

Canadian Disclosure List

ETHANOL, 2-PHENOXY- (122-99-6)

SARA Title III - Section 313

2-PYRROLIDINONE, 1-METHYL- (872-50-4)

16. OTHER INFORMATION

PREPARED BY: Laura Vollenweider
APPROVED BY: Laura Vollenweider
TITLE: Chemist
APPROVAL DATE: October 6, 2005
SUPERCEDES DATE ...: January 6, 2005
MSDS NUMBER: equi00pcgl3solv
RTN NUMBER: 00000093 (Official Copy)

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data in this MSDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

END OF MSDS

