



# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 05/15/2015

Supersedes: 01/01/2014

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : PW 140 Solvent Cleaner

Product form : Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Ink remover

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer: Easiway Systems, Inc.

Distributor:

North America:  
Nor-Cote International, Inc.  
506 Lafayette Avenue  
Crawfordsville, Indiana 47933 USA  
Phone: 765-362-9180

Europe:  
Nor-Cote International, Ltd.  
Unit 8 Warrior Park, Eagle Close  
Chandlers Ford Industrial Estate  
Eastleigh, Hampshire  
SO53 4NF England  
Tel: +44 (0) 23 80270542

Asia:  
Nor-Cote International Pte. Ltd.  
Blk 4012 Ang Mo Kio Ave 10  
#05-08 Techplace 1,  
Singapore 569628  
Tel: +65 6291-0898

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 4 H227

Skin Irrit. 2 H315

Eye Dam. 1 H318

Asp. Tox. 1 H304

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US):



GHS05



GHS08

Signal word (GHS-US): **Danger**

Hazard statements (GHS-US): H227 - Combustible liquid; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H318 - Causes serious eye damage

Precautionary statements (GHS-US): P210 - Keep away from open flames, heat. - No smoking; P264 - Wash hands, forearms and face thoroughly after handling; P280 - Wear eye protection, face protection, protective clothing, protective gloves; P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER; P302+P352 - If on skin: Wash with plenty of water; P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; P310 - Immediately call a doctor, a POISON CENTER; P321 - Specific treatment (see first aid instructions on this label); P331 - Do NOT induce vomiting; P332+P313 - If skin irritation occurs: Get medical advice/attention; P362 - Take off contaminated clothing and wash before reuse; P370+P378 - In case of fire: Use foam, carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, sand to extinguish; P403+P235 - Store in a well-ventilated place. Keep cool; P405 - Store locked up; P501 - Dispose of contents/container to licensed waste handling facility

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Aromatic hydrocarbons, C9-11	(CAS No) 70693-06-0	30 - 60
tert-Butylbenzene	(CAS No) 98-06-6	15 - 40
p-Diethylbenzene	(CAS No) 105-05-5	5 - 10
1,2,3-Trimethylbenzene	(CAS No) 526-73-8	1 - 5

# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%
Indan	(CAS No) 496-11-7	1 - 5
1,2,3,5-Tetramethylbenzene	(CAS No) 527-53-7	1 - 5
m-Diethylbenzene	(CAS No) 141-93-5	1 - 5

### 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 an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
- First-aid measures after skin contact : 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.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

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

- Symptoms/injuries : May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Carbon dioxide. Dry powder. Water spray. Sand.
- Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible liquid.
- Explosion hazard : Heating may cause an explosion.
- Reactivity : No dangerous reactions known under normal conditions of use.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Firefighting instructions : 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.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

See Sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. Prevent the build-up of electrostatic charge. Avoid breathing vapours, mist. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Avoid temperature extremes.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Aromatic hydrocarbons, C9-11 (70693-06-0)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
tert-Butylbenzene (98-06-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
p-Diethylbenzene (105-05-5)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
1,2,3-Trimethylbenzene (526-73-8)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Indan (496-11-7)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
1,2,3,5-Tetramethylbenzene (527-53-7)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
m-Diethylbenzene (141-93-5)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
2-Propanol, 1-methoxy-, propanoate (148462-57-1)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Wear chemical goggles and face shield in combination. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles. Chemical goggles and face shield must be worn in combination.

# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Skin and body protection	: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection	: Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear.
Odor	: Aromatic.
Odor Threshold	: No data available
pH	: Neutral
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 192 °C (>378 °F)
Flash point	: 61 °C (142 °F) (Setaflash)
Auto-ignition temperature	: > 260 °C (> 500 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0.44 mm Hg @ 20 °C (68 °F)
Relative vapour density at 20 °C	: Heavier than air
Relative density	: 0.93 @ 20 °C (68 °F)
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1.8 - 11.7 vol % Estimated @ 25 °C (77 °F)

#### 9.2. Other information

VOC content	: 930 g/l (7.7 lbs/gallon) tested by EPA Method 24
-------------	--

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
----------------	------------------

#### tert-Butylbenzene (98-06-6)

LD50 oral rat	3503 mg/kg
---------------	------------

# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### tert-Butylbenzene (98-06-6)

Skin corrosion/irritation	: Causes skin irritation. pH: Neutral
Serious eye damage/irritation	: Causes serious eye damage. pH: Neutral
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No information available.

### 12.2. Persistence and degradability

#### PW 140 Solvent Cleaner

Persistence and degradability : No information available.

### 12.3. Bioaccumulative potential

#### PW 140 Solvent Cleaner

Bioaccumulative potential : No information available.

### 12.4. Mobility in soil

#### PW 140 Solvent Cleaner

Ecology - soil : No information available.

### 12.5. Other adverse effects

Other adverse effects : No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

### In accordance with DOT

Transport document description : UN1993 Flammable liquids, n.o.s. (Contains C9-C11 Aromatic Hydrocarbons), 3, III

UN-No.(DOT) : 1993

DOT NA no. : UN1993

Proper Shipping Name (DOT) : Flammable liquids, n.o.s.  
(Contains C9-C11 Aromatic Hydrocarbons)

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Quantity Limitations Passenger aircraft/rail : 60 L  
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L  
CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

### Additional information

Other information : No supplementary information available.

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

PW 140 Solvent Cleaner	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

#### California Proposition 65

This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Naphthalene (91-20-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	5.8 µg/day

tert-Butylbenzene (98-06-6)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
p-Diethylbenzene (105-05-5)
U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
m-Diethylbenzene (141-93-5)
U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.  
Revision date : 05/15/2015  
Other information : Author: BCS.

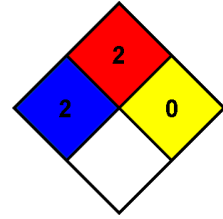
# PW 140 Solvent Cleaner

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

- Health : 2 - Temporary or minor injury may occur.
- Flammability : 2 - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 °F (38 °C) but below 200 °F (93 °C).
- Physical : 0 - Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.
- Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product