



# PW 120 Solvent Cleaner

## Safety Data Sheet

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

Revision date: 05/22/2015

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 120 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. 3 H226  
Skin Corr. 1A H314  
Skin Sens. 1 H317

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US):



GHS02



GHS05



GHS07

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

Hazard statements (GHS-US): H226 - Flammable liquid and vapor; H314 - Causes severe skin burns and eye damage; H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US): P210 - Keep away from open flames, heat. - No smoking; P233 - Keep container tightly closed; P240 - Ground/bond container and receiving equipment; P241 - Use explosion-proof ventilating equipment; P242 - Use only non-sparking tools; P243 - Take precautionary measures against static discharge; P260 - Do not breathe mist, vapors; P261 - Avoid breathing mist, vapors; P264 - Wash hands, forearms and face thoroughly after handling; P272 - Contaminated work clothing must not be allowed out of the workplace; P280 - Wear eye protection, face protection, protective clothing, protective gloves; P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting; P302+P352 - If on skin: Wash with plenty of water; P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower; P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing; 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); P333+P313 - If skin irritation or rash occurs: Get medical advice/attention; P362+P364 - Take off contaminated clothing and wash it before reuse; P363 - Wash contaminated clothing 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

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### 3.2. Mixture

Name	Product identifier	%
Propylene glycol monomethyl ether acetate	(CAS No) 108-65-6	60 - 100
2-Propanol, 1-methoxy-, propanoate	(CAS No) 148462-57-1	7 - 13
D-Limonene	(CAS No) 5989-27-5	1 - 5
Isobutyl isobutyrate	(CAS No) 97-85-8	1 - 5
2-Methoxypropyl-1-acetate	(CAS No) 70657-70-4	0.1 - 1

## 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 affected. If breathing is difficult, supply oxygen.
- 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. If pain, blinking, or irritation develops or persists, get medical attention. 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 cause an allergic skin reaction. May damage fertility or the unborn child.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation.
- Chronic symptoms : May cause an allergic skin reaction. May damage fertility. May damage the unborn child.

### 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 : Flammable liquid and vapour.
- 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.

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### 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.
- 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. 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

<b>D-Limonene (5989-27-5)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>2-Propanol, 1-methoxy-, propanoate (148462-57-1)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Isobutyl isobutyrate (97-85-8)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>2-Methoxypropyl-1-acetate (70657-70-4)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Propylene glycol monomethyl ether acetate (108-65-6)</b>	
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. Protective goggles. 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. Change contaminated gloves immediately.

- 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.

- Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

- Respiratory protection : Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: Clear.
Odor	: Ether-like.
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	: > 140 °C (>284 °F)
Flash point	: 48 °C (118 °F) (Setaflash)
Auto-ignition temperature	: > 260 °C (> 500 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 3.6 mm Hg @ 20 °C (68 °F)
Relative vapour density at 20 °C	: Heavier than air
Relative density	: 0.95 @ 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	: 1.5 - 7 vol % Estimated @ 25 °C (77 °F)

#### 9.2. Other information

VOC content : 950 g/l (7.9 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

PW 120 Solvent Cleaner	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
D-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Isobutyl isobutyrate (97-85-8)	
LC50 inhalation rat (ppm)	5000 ppm 6 h

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### Propylene glycol monomethyl ether acetate (108-65-6)

LD50 oral rat	8532 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: < 2 (50% solution)
Serious eye damage/irritation	: Causes severe eye damage. pH: < 2 (50% solution)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

### D-Limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Highly corrosive to skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause an allergic skin reaction.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No information available.

### 12.2. Persistence and degradability

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Persistence and degradability : No information available.

### 12.3. Bioaccumulative potential

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Bioaccumulative potential : No information available.

### 12.4. Mobility in soil

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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: Propylene Glycol Methyl Ether Acetate, 2-Propanol, 1-methoxy-, propanoate; Citrus Terpenes), 3, III
UN-No.(DOT)	: 1993
DOT NA no.	: UN1993
Proper Shipping Name (DOT)	: Flammable liquids, n.o.s. (Contains: 2-Propanol, 1-methoxy-, propanoate; Citrus Terpenes)
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

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 120 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	Delayed (chronic) health hazard Fire hazard
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### 15.2. International regulations

No additional information available.

### 15.3. US State regulations

#### California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

#### Isobutyl isobutyrate (97-85-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.

Revision date : 05/15/2015

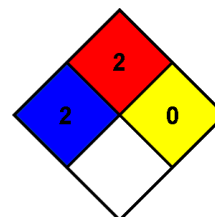
Other information : Author: BCS.

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.

NFPA specific hazard:



HMIS III Health: 2 - Temporary or minor injury may occur.

HMIS III 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).

HMIS III 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.

HMIS III Personal Protection: H - Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

Health	2
Flammability	2
Reactivity	0
Personal Protection	H

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