



EasiSolv 110 Solvent Cleaner

Safety Data Sheet

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

Revision date: 09/14/2015

Supersedes: 08/20/2015

Version: 3.0

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

1.1. Product identifier

Product name : EasiSolv 110 Solvent Cleaner

Product form : Mixture

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

Use of the substance/mixture : To clean ink

1.3. Details of the supplier of the safety data sheet

Easiway Systems, Inc.
540 S. River Street
Delano, MN 55328
Phone: 1-763-972-6306
Web: www.easiway.com
E-Mail: sales@easiway.com

1.4. Emergency telephone number

CHEMTREC: USA/Canada 1-800-424-9300 // Argentina +(54)-1159839431 // Australia +(61)-290372994 // Austria +(43)-13649237 // Bahrain +(973)-16199372 // Belgium +(32)-28083237 // Brazil +(55)-2319581449 // Bulgaria +(359)-32570104 // Chile +(56)-225814934 // China 4001-204937 // Colombia 01800-710-2151 // Croatia +(385)-17776920 // Czech Republic +(420)-228880039 // Denmark +(45)-69918573 // Finland +(358)-942419014 // France +(33)-975181407 // Germany 0800-181-7059 // Hong Kong 800-968-793 // Hungary +(36)-18088425 // India 000-800-100-7141 // Indonesia 001-803-017-9114 // Ireland +(353)-19014670 // Israel +(972)-37630639 // Italy 800-789-767 // Japan +(81)-845209637 // Luxembourg +(352)-20202416 // Malaysia 1-800-815-308 // Mexico 01-800-681-9531 // Netherlands +(31)-858880596 // New Zealand +(64)-98010034 // Norway +(47)-21930678 // Peru +(51)-17071295 // Philippines 1-800-1-116-1020 // Poland +(48)-223988029 // Portugal +(351)-308801773 // Russia 8-800-100-6346 // Saudi Arabia +(966)-8111095861 // Singapore 800-101-2201 // Slovakia +(421)-233057972 // Slovenia +(386)-18888016 // South Africa 0-800-983-611 // South Korea 00-308-13-2549 // Spain 900-868538 // Sweden +(46)-852503403 // Switzerland +(41)-435082011 // Taiwan 00801-14-8954 // Thailand 001-800-13-203-9987 // Turkey +(90)-212-7055340 // Ukraine +(380)-947101374 // UK +(44)-870-8200418

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
Repr. 1B H360
Asp. Tox. 1 H304

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



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

Hazard statements (GHS-US): H226 - Flammable liquid and vapour; H304 - May be fatal if swallowed and enters airways; H315 - May cause skin irritation; H317 - May cause an allergic skin reaction; H319 - May cause serious eye irritation; H360 - May damage the unborn child

Precautionary statements (GHS-US): P201 - Obtain special instructions before use; P202 - Do not handle until all safety precautions have been read and understood; P210 - Keep away from heat, open flames, sparks. - No smoking; P233 - Keep container tightly closed; P240 - Ground/bond container and receiving equipment; P241 - Use explosion-proof electrical, lighting, ventilating equipment; P242 - Use only non-sparking tools; P243 - Take precautionary measures against static discharge; P261 - Avoid breathing fume, mist, vapours; P264 - Wash hands, forearms and face thoroughly after handling; P280 - Wear eye 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; P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower; P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; P308+P313 - If exposed or concerned: Get medical advice/attention; P321 - Specific treatment (see first aid instructions on this label); P331 - Do NOT induce vomiting; P333+P313 - If skin irritation or rash occurs: Get medical advice/attention; P337+P313 - If eye irritation persists: Get medical advice/attention; P362+P364 - Take off contaminated clothing and wash it before reuse; P370+P378 - In case of fire: Use dry extinguishing powder, foam, carbon dioxide (CO₂) to extinguish; P403+P235 - Store in a well-ventilated place. Keep cool; P501 - Dispose of contents/container to a facility that complies with all local, state, regional, federal, national, and international regulations.

2.3. Other hazards

No additional information available

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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	%
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	15 - 40
Propylene glycol monomethyl ether acetate	(CAS No) 108-65-6	10 - 30
Aliphatic dibasic esters	Mixture	10 - 30
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	7 - 13
D-Limonene	(CAS No) 5989-27-5	7 - 13
Cumene	(CAS No) 98-82-8	1 - 5
Xylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	0.1 - 1
Ethylbenzene	(CAS No) 100-41-4	0.1 - 1

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If 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. 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 be fatal if swallowed and enters airways. May cause skin irritation. May cause an allergic skin reaction. May cause serious eye irritation. May damage the unborn child.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause skin irritation. May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : May cause serious eye irritation.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.
- Chronic symptoms : May cause an allergic skin reaction. 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. Self-contained breathing apparatus.

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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 untreated waste streams and public waters. Notify authorities if liquid enters untreated waste streams and 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.

Methods for cleaning up : Eliminate ignition sources. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

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. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. 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

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Benzene, 1,2,4-trimethyl- (95-63-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Xylenes (o-, m-, p- isomers) (1330-20-7)	
ACGIH TWA (ppm)	100
ACGIH STEL (ppm)	150
OSHA PEL (TWA) (mg/m ³)	435
OSHA PEL (TWA) (ppm)	100
OSHA PEL (STEL) (mg/m ³)	655
OSHA PEL (STEL) (ppm)	150
Cumene (98-82-8)	
ACGIH TWA (ppm)	50
OSHA PEL (TWA) (mg/m ³)	245
OSHA PEL (TWA) (ppm)	50
Ethylbenzene (100-41-4)	
ACGIH TWA (ppm)	20
Remark (ACGIH)	upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment


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Solvent naphtha, petroleum, light aromatic (64742-95-6)	
OSHA PEL (TWA) (mg/m ³)	435
OSHA PEL (TWA) (ppm)	100
OSHA PEL (STEL) (mg/m ³)	545
OSHA PEL (STEL) (ppm)	125
Propylene glycol monomethyl ether acetate (108-65-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
D-Limonene (5989-27-5)	
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	: 
Eye protection	: Wear safety glasses with side shields (or goggles). Use a face shield, if necessary.
Skin and body protection	: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots.
Respiratory protection	: NIOSH-approved (or equivalent) respirators may be necessary if airborne concentrations are expected to exceed exposure limits.
Other Protective Equipment	: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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	: 5 – 6 (50% solution)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 160 °C (>320 °F)
Flash point	: 45 °C (113 °F) (Setaflash)
Auto-ignition temperature	: > 260 °C (500 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 3.2 mm Hg @ 20 °C (68 °F)
Relative vapour density at 20 °C	: Heavier than air
Relative density	: 0.91 @ 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	: 0.9 - 6 vol % Estimated @ 25 °C (77 °F)

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9.2. Other information

VOC content : 906 g/l (7.6 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** : elevated temperatures.
- 10.5. **Incompatible materials** : Strong oxidizers.
- 10.6. **Hazardous decomposition products** : None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Solvent naphtha, petroleum, light aromatic (64742-95-6)

LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (ppm)	3400 ppm/4h

Benzene, 1,2,4-trimethyl- (95-63-6)

LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

Xylenes (o-, m-, p- isomers) (1330-20-7)

LD50 oral rat	3500 mg/kg
ATE CLP (dermal)	1100.000 mg/kg bodyweight
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

Cumene (98-82-8)

LD50 dermal rabbit	12300 µl/kg
LC50 inhalation rat (ppm)	> 3577 ppm 6 h

Ethylbenzene (100-41-4)

LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat (mg/l)	17.2 mg/l/4h
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

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

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

D-Limonene (5989-27-5)

LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

- Skin corrosion/irritation : May cause skin irritation.
pH: 5 - 6
- Serious eye damage/irritation : May cause serious eye irritation.
pH: 5 - 6
- Respiratory or skin sensitisation : May cause an allergic skin reaction.
- Germ cell mutagenicity : Not classified.
- Carcinogenicity : Not classified.

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Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: May damage the unborn child.
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	: May cause skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: May cause serious eye irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
Chronic symptoms	: May cause an allergic skin reaction. May damage the unborn child.

SECTION 12: Ecological information

Ecology - general : No information 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 : UN1268 Petroleum distillates, n.o.s. (Contains: Aromatic Petroleum Naphtha), 3, III

UN-No.(DOT) : 1268

DOT NA no. : UN1268

Proper Shipping Name (DOT) : Petroleum distillates, n.o.s.

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

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

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

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

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

EasiSolv 110 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 Delayed (chronic) health hazard Fire hazard

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Benzene, 1,2,4-trimethyl- (95-63-6)	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	
Section 313	Listed on US SARA Section 313
Xylenes (o-, m-, p- isomers) (1330-20-7)	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	100 lb
Section 313	Listed on US SARA Section 313
Cumene (98-82-8)	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	5000 lb
Section 313	Listed on US SARA Section 313
Ethylbenzene (100-41-4)	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	1000 lb
Section 313	Listed on US SARA Section 313

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

Cumene (98-82-8)				
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	Not available
Ethylbenzene (100-41-4)				
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	54 (inhalation) µg/day 41 (oral) µg/day

Benzene, 1,2,4-trimethyl- (95-63-6)	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Massachusetts - Right To Know List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Xylenes (o-, m-, p- isomers) (1330-20-7)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Cumene (98-82-8)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Ethylbenzene (100-41-4)	
U.S. - New Jersey - Right to Know Hazardous Substance List	

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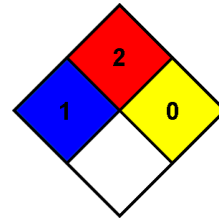
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SECTION 16: Other information

Indication of changes : Revision 3.0: Sections 2, 3, 4, 6, 8, 11, 12
Revision date : 09/14/2015
Other information : Author: KRH.

NFPA health hazard: 1 - Exposure would cause irritation with only minor residual injury
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: 1. Irritation or minor reversible injury possible.
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: D - Gloves. Wear chemical goggles and face shield in combination. Protective clothing.

Health	1
Flammability	2
Reactivity	0
Personal Protection	D

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