

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name : EasiSolv 55 Stencil Remover Concentrate

Product form : Mixture

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

Use of the substance/mixture : To remove stains

1.3. Details of the supplier of the safety data sheetEasiway 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**

Skin Corr. 1A H314

STOT RE 1 H372

2.2. Label elements**GHS-US labelling**

Hazard pictograms (GHS-US):



GHS05



GHS08

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

Hazard statements (GHS-US): H314 – May cause severe skin burns and eye damage; H372 - May cause damage to organs (thyroid gland) through extreme prolonged or repeated exposure

Precautionary statements (GHS-US): P260 - Do not breathe fume, mist, vapors; P264 - Wash hands, forearms and face thoroughly after handling; P270 - Do not eat, drink or smoke when using this product; P280 - Wear eye protection, face protection, protective clothing, protective gloves; P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting; 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; P314 - Get medical advice/attention if you feel unwell; P321 - Specific treatment (see first aid instructions on this label); P363 - Wash contaminated clothing before reuse; 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

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	%
Periodic acid (HIO ₄), sodium salt	(CAS No) 7790-28-5	10 - 30
Sulfuric acid	(CAS No) 7664-93-9	5 - 10
Sulfamic Acid	(CAS No) 5329-14-6	1 - 5

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. 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 cause severe skin burns and eye damage. May cause damage to organs (thyroid gland) through extreme prolonged or repeated exposure.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Highly corrosive to skin.
- Symptoms/injuries after eye contact : May cause serious eye damage.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation.
- Chronic symptoms : May cause damage to organs through prolonged or repeated exposure.

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.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product is not flammable.
- Explosion hazard : Product is not explosive.
- Reactivity : May cause or intensify fire; oxidizer.

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.

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.

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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 : Wear suitable respiratory protective equipment. 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. Neutralize residue with weak base. 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. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. 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

Sulfamic Acid (5329-14-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Sulfuric acid (7664-93-9)	
ACGIH TWA (mg/m ³)	0.2 thoracic fraction
OSHA PEL (TWA) (mg/m ³)	1
Periodic acid (HIO ₄), sodium salt (7790-28-5)	
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 : mild.
- Odor Threshold : No data available
- pH : < 2 10% solution
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 100 °C (212 °F)

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Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Heavier than air
Relative density	: 1.3 @ 20 °C (68 °F)
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: < 10
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : None

SECTION 10: Stability and reactivity

10.1. Reactivity	: May cause or intensify fire; oxidizer.
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	: Avoid contact with : Incompatible materials.
10.5. Incompatible materials	: Combustible materials. Reducing agents. Organic materials.
10.6. Hazardous decomposition products	: May decompose at high temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sulfuric acid (7664-93-9)	
LD50 oral rat	2140 mg/kg
LC50 inhalation rat (mg/l)	510 mg/m ³ 2h

Skin corrosion/irritation	: May cause severe skin burns. pH: < 2 10% solution
Serious eye damage/irritation	: May cause severe eye damage. pH: < 2 10% solution
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified.

Strong inorganic acid mists containing sulfuric acid	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
The International Agency for Research on Cancer (IARC) has classified occupational exposure to "strong inorganic acid mists" as carcinogenic to humans (group 1). However these warnings refer to sulfuric acid in mist form, and do not apply to solutions containing sulfuric acid. As such, we have not classified this product as a carcinogen in accordance with the United States OSHA Hazard Communication Standard (29 CFR §1910.1200), but recommend that users avoid exposure to any mists or aerosols during product use.	

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs (thyroid gland) through extreme prolonged or repeated exposure.
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Highly corrosive to skin.
Symptoms/injuries after eye contact	: May cause serious eye damage.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause damage to organs through prolonged or repeated exposure.

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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 : UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Contains: Periodic Acid), 8, II

UN-No.(DOT) : 3264

DOT NA no. : UN3264

Proper Shipping Name (DOT) : Corrosive liquid, acidic, inorganic, n.o.s.
Contains: Periodic Acid

Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 8 - Corrosive



Packing group (DOT) : II - Medium Danger

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

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

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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
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Sulfuric acid (7664-93-9)

Section 302 (EHS) TPQ	1000 lb
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Section 304 EHS RQ	1000 lb
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CERCLA RQ	1000 lb
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Section 313	Listed on US SARA Section 313
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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.

Sulfamic Acid (5329-14-6)

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

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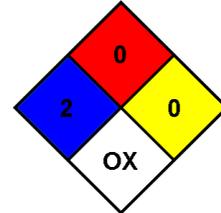
Sulfuric acid (7664-93-9)

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

SECTION 16: Other information

Indication of changes : Revision 3.0: Sections: new logo
Revision date : 09/13/2016
Other information : Author: KRH.

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: 0 - Materials that will not burn.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
NFPA specific hazard: OX - This denotes an oxidizer, a chemical which can greatly increase the rate of combustion/fire.



HMIS III Health: 2 - Temporary or minor injury may occur.
HMIS III Flammability: 0 - Materials that will not burn.
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	2
Flammability	0
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