



EasiSolv 415N Stain & Haze Remover

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: 06/02/2015

Version: 3.0

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

1.1. Product identifier

Product name : EasiSolv 415N Stain & Haze Remover
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 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

Skin Corr. 1A H314
Repr. 1B H360

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



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

Hazard statements (GHS-US): H314 – May cause severe skin burns and eye damage; H360 - May damage the unborn child. Suspected of damaging fertility. (oral)

Precautionary statements (GHS-US): P201 - Obtain special instructions before use; P202 - Do not handle until all safety precautions have been read and understood; P260 - Do not breathe fume, mist, vapors; P264 - Wash hands, forearms and face thoroughly after handling; 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; P308+P313 - If exposed or concerned: Get medical advice/attention; P310 - Immediately call a doctor, a POISON CENTER; 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	%
Tetrahydrofurfuryl alcohol	(CAS No) 97-99-4	15 - 40
Potassium hydroxide	(CAS No) 1310-58-3	10 - 30
Alcohols, C12-14-secondary, ethoxylated	(CAS No) 84133-50-6	7 - 13
Poly(ethylene oxide)	(CAS No) 25322-68-3	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 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. 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 damage the unborn child. Suspected of damaging fertility (Oral).
- 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 damage the unborn child. Suspected of damaging fertility.

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 : Heating may cause a fire.
- 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : 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. 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alcohols, C12-14-secondary, ethoxylated (84133-50-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Potassium hydroxide (1310-58-3)	
ACGIH Ceiling (mg/m ³)	2
OSHA PEL (Ceiling) (mg/m ³)	2 vacated
Tetrahydrofurfuryl alcohol (97-99-4)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
Polyethylene glycol (25322-68-3)	
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).
- 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. amber.
- Odor : mild.
- Odor Threshold : No data available
- pH : > 13 (10% solution)
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available

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Boiling point	: 100 °C (212 °F)
Flash point	: > 93 °C (200 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0.1 mm Hg @ 20 °C (68 °F)
Relative vapour density at 20 °C	: Heavier than air
Relative density	: 1.2 @ 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	: No data available

9.2. Other information

VOC content : 576 g/l (4.8 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. Strong acids.
10.6. Hazardous decomposition products	: Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Alcohols, C12-14-secondary, ethoxylated (84133-50-6)

LD50 oral rat	2100 mg/kg
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Polyethylene glycol (25322-68-3)

DL50 skin rabbit	> 20 ml/kg
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Potassium hydroxide (1310-58-3)

LD50 oral rat	214 mg/kg
ATE CLP (oral)	500.000 mg/kg bodyweight

Skin corrosion/irritation	: May cause severe skin burns and eye damage. pH: >13
Serious eye damage/irritation	: May cause serious eye damage. pH: >13
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage the unborn child. Suspected of damaging fertility. (oral).
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.
Symptoms/injuries after eye contact	: May cause serious eye damage.
Symptoms/injuries after ingestion	: Harmful if swallowed.
Chronic symptoms	: May damage the unborn child. Suspected of damaging fertility.

SECTION 12: Ecological information

Ecology - general : No information available.

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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 : UN3266 Corrosive liquid, basic, inorganic, n.o.s. (Contains: Potassium Hydroxide), 8, III
- UN-No.(DOT) : 3266
- DOT NA no. : UN3266
- Proper Shipping Name (DOT) : Corrosive liquid, basic, inorganic, n.o.s.
- Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136
- Hazard labels (DOT) : 8 - Corrosive



- Packing group (DOT) : III - Minor Danger
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 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.
- DOT Vessel Stowage Other : 40 - Stow "clear of living quarters", 52 - Stow "separated from" acids
- 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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Potassium hydroxide (1310-58-3)

Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	1000 lb
Section 313	Not Listed on US SARA Section 313

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.

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Potassium hydroxide (1310-58-3)

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

1,2-Propylene glycol (57-55-6)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

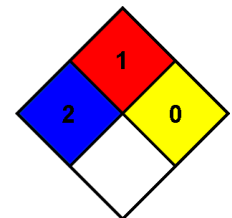
Tetrahydrofurfuryl alcohol (97-99-4)

U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revision 3.0: Sections 2, 4, 6, 8, 11, 12.
Revision date : 09/14/2015
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: 1 - Must be preheated 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: 1 - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 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: C - Gloves. Protective goggles. Protective clothing.

Health	2*
Flammability	1
Reactivity	0
Personal Protection	C

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