

1. IDENTIFICATION

Product Name: GOLDEN WEST SOLVE WHD™
Product Type and Use: Cleaner / Degreaser
Manufactured for: GOLDEN WEST Industrial Supply
2180 Agate Ct., Simi Valley, CA 93065
Contact: Telephone: 1-805-522-1000 or 1-800-521-2601
Product Info: Telephone: 972-271-7361
Emergency Telephone: CHEMTREC® USA (800) 424-9300
Outside US +1 (703) 527-3887

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)

Skin Corrosion/Irritation Category 1C
Eye Irritation Category 1
Acute Toxicity - Inhalation Category 4
Acute Toxicity - Oral Category 4
STOT-SE Category 3

Physical Hazard(s)

Corrosive to metals Category 1

Hazard(s) not otherwise classified

None

Labeling

Signal Word: DANGER
Pictograms: Corrosion, Health Hazard

Statements of Hazard

Hazard Statements

Causes severe skin burns and eye damage
May cause respiratory irritation
Harmful if inhaled or swallowed
May be corrosive to metals

Precautionary Statements

Wear protective gloves, eye and face protection. Do not breathe vapors or mist. Use only outdoors or in a well-ventilated area. Take off contaminated clothing and wash it before reuse. Wash thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Store locked up. Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with resistant inner liner. Dispose of contents and container in accordance with applicable regulations.
If on skin: Rinse skin with water/shower. Immediately call a poison center or doctor.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Percent by Wt. |
|-------------------------------|--------------|----------------|
| Ethylene Glycol butyl ether | 111-76-2 | 1-5* |
| Sodium Metasilicate | 6834-92-0 | 1-5* |
| Ethoxylated alcohol phosphate | Trade Secret | 1-5* |

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: Causes skin and eye damage. May be absorbed through the skin; avoid contact. Do not swallow. Avoid breathing vapor or mist. Use with adequate ventilation. Keep container closed.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

Skin Contact: Remove contaminated clothing. Flush skin with plenty of water. Remove contaminated clothing and wash before reuse. Immediately call a poison center or doctor.

Eye Contact: Immediately flush cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Ingestion: Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. Rinse mouth. Immediately call a poison center or doctor.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable: Carbon Dioxide, Dry Chemical, and Foam

Unsuitable: Alcohol, Alcohol based solutions

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc.

Hazardous Combustion/ Decomposition Products: Oxides of carbon, phosphorous and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

Methods and materials for containment and cleaning up: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Do not store or dispense into metal containers; especially aluminum. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to local / national regulations.

7. HANDLING AND STORAGE

HANDLING

Precautions for Safe Handling: Avoid skin and eye contact. Use with adequate ventilation. The headspace of unopened containers and empty containers may contain trace amounts of ethylene oxide. Avoid breathing vapor and mist. Follow all SDS/label precautions.

STORAGE

Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container. Separate from acids, reactive metals, and ammonium salts. Do not store or transfer in aluminum, fiberglass, copper, brass, zinc or galvanized containers. Keep container tightly closed when not in use. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

| Component | ACGIH | | OSHA | | STEL ppm | STEL mg/m3 |
|-------------------------------|------------|--------------|------------|--------------|-------------|---------------|
| | TLV ppm | TLV mg/m3 | PEL ppm | PEL mg/m3 | | |
| Ethylene Glycol butyl ether | 20 (Skin) | - | 50 | 240 | - | - |
| Sodium Metasilicate | - | 2** | - | - | - | - |
| Ethoxylated alcohol phosphate | - | - | - | - | - | - |
| Ethylene Oxide | 1 | - | - | - | - | 9 |

**Manufacturers recommended exposure limit

Engineering Controls: Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protection

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator.

Hand / Skin Protection: Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.

Eye / Face Protection: Face shield with safety glasses with side-shields.

General Hygiene Measures: Avoid contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. An eyewash station and washing facilities should be readily accessible to the area of use. See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|--------------------|------------------------------------|-----------------|
| Appearance: | Transparent | Autoignition Temperature: | Not applicable |
| Physical State: | Non-viscous liquid | Volatile by volume (%): | 92 |
| Odor: | Pleasant | Vapor Density (Air=1): | 1 |
| Color: | Red | Evaporation Rate (BuAc= 1): | <1 |
| Viscosity, cSt @ 40°C: | Not established | Vapor Pressure, mmHg @23°C: | 21.1 |
| cSt @ 100°C: | Not established | Solubility in water: | Complete |
| pH: | 12.3-13 | Octanol/Water Partition: | Not established |
| Boiling Point/ Range: | >200°F / 93°C | VOC Content (%): | 5 |
| Melting Point: | >32°F / 0°C | Specific Gravity @15.6°C: | 1.02 |
| Flash Point: | Non-flammable | Pour Point: | >32°F / 0°C |
| Method: | Not applicable | Non-volatile by Volume (%): | 8 |
| Lower Explosive Limit, vol %: | Hydrogen, 4 | Dielectric Strength: | Not applicable |
| Upper Explosive Limit, vol %: | Hydrogen, 75 | | |

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur.

Materials to Avoid: Aluminum and other reactive metals, glass, oxidizing agents and acids. May react with ammonium salt solutions resulting in evolution of ammonia gas. Carbon monoxide gas may be produced on contact with reducing sugars.

11. TOXICOLOGICAL INFORMATION

Product Information: Not established

Ingredient Information

Acute Toxicity

2-Butoxyethanol: Orl-Rat LD50/470 mg/kg, Skn-Rbt LD50 - 220 mg/kg, Ihl-Rat LC50 - 450 ppm 4 h

Sodium metasilicate: Orl-Rat LD50 - 600 mg/kg

Ethoxylated alcohol phosphate: Orl-Rat LD50 - 15,300 mg/kg (estimated) Skn-Rbt LD50 - 27,400 mg/kg (estimated)

Acute Effects

Signs and Symptoms of Overexposure: Skin and serious eye irritation, Coughing/Sneezing

Inhalation: Vapor and mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

Skin Contact: May cause redness, pain and burns. May be absorbed through skin in harmful amounts.

Eye Contact: May cause tearing, redness, pain, swelling of the conjunctiva and burns. May cause blindness.

Ingestion: May cause pain, nausea, vomiting and diarrhea.
Primary Route(s) of Exposure: Eyes, Skin, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion
Target Organs: Liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system
Chronic Effects
 2-Butoxyethanol Target Organ Effects: liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system
Carcinogenicity
 2-Butoxyethanol: ACGIH A3, IARC Group 3 - Not classifiable as to its carcinogenicity to humans
Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data
 2-Butoxyethanol: Toxicity to Fish LC50 = 1490 mg/L Lepomis macrochirus 96 h, Water Flea EC50 1698 - 1940 mg/L 24 h Daphnia magna, 1000 mg/L 48 h Daphnia magna
 Sodium metasilicate: Toxicity to Fish LC50 = 210 mg/L Brachydanio rerio 96 h, Water Flea EC50 216 mg/L 96 h Daphnia magna
Elimination Information: 2-Butoxyethanol: log Kow 0.81

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with local regulations.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

Road Transport
DOT Hazard Class: 8
Description: Corrosive liquid
UN-No.: 3266
Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

Sea Transport
IMDG/GGV See Class: 8
UN-No.: UN3266
Packing Group: III
Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

Air Transport
ICAO/IATA Class: 8
UN-No.: UN3266
Packing Group: III
Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Sodium metasilicate)

15. REGULATORY INFORMATION

U.S. Federal Regulations
Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

| Immediate Hazard | Delayed Hazard | Fire Hazard | Pressure Hazard | Reactivity Hazard |
|------------------|----------------|-------------|-----------------|-------------------|
| X | X | - | - | - |

16. OTHER INFORMATION

Prepared by: GOLDEN WEST Industrial Supply, Technical Services Department
Revision Date: 10/1/2015 **Supersedes Date:** Not applicable
Revision Indicator: New OSHA 2012 SDS

National Fire Protection Association (704)
 Health: 1 Flammability: 1 Reactivity: 0 Other: -

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