

# SAFETY DATA SHEET

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NGHS / English



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## 1. IDENTIFICATION

### Product identifier

Product Name Witch Hazel Alcohol 14%

### Other means of identification

Product Code(s) 1118202

### Recommended use of the chemical and restrictions on use

Recommended Use Astringent/Toner

Restrictions on use No information available

### Details of the supplier of the safety data sheet

Supplier Identification PL Developments

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## 2. HAZARDS IDENTIFICATION

### Classification

|                   |            |
|-------------------|------------|
| Flammable liquids | Category 3 |
|-------------------|------------|



**Appearance** Colorless**Physical state** Liquid**Odor** Witch hazel**GHS Label elements, including precautionary statements****Warning****Hazard statements**

Flammable liquid and vapor

**Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response****Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

**Fire**In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

Toxic to aquatic life.

**Unknown acute toxicity** 40 % of the mixture consists of ingredient(s) of unknown toxicity

26 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

40 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable.

**Mixture**

| Chemical name | CAS-No  | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---------------|---------|---------|--|---|
| Ethyl alcohol | 64-17-5 | 14      | -  | -   |

#### 4. FIRST AID MEASURES

##### First aid measures

|   |   |
|---|---|
| <b>Inhalation</b>                         | Remove to fresh air.  |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.  |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.   |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water.  |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. |

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable Extinguishing Media</b>                   | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.   |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.  |
| <b>Specific hazards arising from the chemical</b>     | Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides.  |
| <b>Explosion Data</b>                                 |   |
| <b>Sensitivity to Mechanical Impact</b>               | None.   |
| <b>Sensitivity to Static Discharge</b>                | Yes.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.  |

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Ventilate the area.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name            | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------------|----------------|--|--|
| Ethyl alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |



| Chemical name            | Alberta                                      | British Columbia | Ontario TWAEV  | Quebec                                       |
|--------------------------|--|------------------|----------------|--|
| Ethyl alcohol<br>64-17-5 | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> | STEL: 1000 ppm   | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> |

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

#### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.  
Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.  
Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and Chemical Properties

**Physical state** Liquid  
**Appearance** Colorless  
**Odor** Witch hazel  
**Color** No information available  
**Odor Threshold** No data available

| <u>Property</u>                        | <u>Values</u>      | <u>Remarks Method</u> |
|--|--------------------|-----------------------|
| pH                                     | 4                  |                       |
| Melting / freezing point               | No data available  | None known            |
| Boiling point / boiling range          | 88 °C / 190 °F     |                       |
| Flash Point                            | 42 C / 108 F       |                       |
| Evaporation Rate                       | No data available  | None known            |
| Flammability (solid, gas)              | No data available  | None known            |
| Flammability Limit in Air              |                    | None known            |
| Upper flammability limit               | No data available  |                       |
| Lower flammability limit               | No data available  |                       |
| Vapor pressure                         | No data available  | None known            |
| Vapor density                          | No data available  | None known            |
| Relative density                       | 0.9                |                       |
| Water Solubility                       | Completely soluble |                       |
| Solubility(ies)                        | No data available  | None known            |
| Partition coefficient: n-octanol/water | N/A                |                       |
| Autoignition temperature               | No data available  | None known            |
| Decomposition temperature              | No data available  | None known            |
| Kinematic viscosity                    | No data available  | None known            |

|                   |                   |            |
|-------------------|-------------------|------------|
| Dynamic viscosity | No data available | None known |
|-------------------|-------------------|------------|

**Other Information**

|                            |                          |
|----------------------------|--------------------------|
| Explosive properties       | No information available |
| Oxidizing properties       | No information available |
| Softening Point            | No information available |
| Molecular Weight           | No information available |
| VOC Content (%)            | No information available |
| Liquid Density             | No information available |
| Bulk Density               | No information available |
| Particle Size              | No information available |
| Particle Size Distribution | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of Hazardous Reactions | None under normal processing.             |
| Hazardous Polymerization           | Hazardous polymerization does not occur.  |
| Conditions to avoid                | Heat, flames and sparks.                  |
| Incompatible materials             | None known based on information supplied. |
| Hazardous Decomposition Products   | Carbon oxides.                            |

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

|              |   |
|--------------|---|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

**Information on toxicological effects**

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

**Numerical measures of toxicity****Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 37,317.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 659.10 mg/L     |

|                        |  |
|------------------------|--|
| Unknown acute toxicity | 40 % of the mixture consists of ingredient(s) of unknown toxicity              |
|                        | 26 % of the mixture consists of ingredient(s) of unknown acute oral toxicity   |
|                        | 40 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |

40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

| Chemical name | Oral LD50            | Dermal LD50 | Inhalation LC50          |
|---------------|----------------------|-------------|--------------------------|
| Ethyl alcohol | = 7060 mg/kg ( Rat ) | -           | = 124.7 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | No information available.  |
| <b>Serious eye damage/eye irritation</b> | No information available.  |
| <b>Respiratory or skin sensitization</b> | No information available.  |
| <b>Germ cell mutagenicity</b>            | No information available.  |
| <b>Carcinogenicity</b>                   | Classification based on data available for ingredients. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name            | ACGIH | IARC    | NTP   | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl alcohol<br>64-17-5 | A3    | Group 1 | Known | X    |

**Legend****ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life.

| Chemical name | Toxicity to Algae | Toxicity to Fish   | Toxicity to Microorganisms                          | Daphnia Magna (Water Flea)  |
|---------------|-------------------|--|---|---|
| Ethyl alcohol | -                 | 96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas) | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min | 48h LC50: 9268 - 14221 mg/L 48h EC50: = 2 mg/L 24h EC50: = 10800 mg/L |

**Persistence and Degradability** No information available.

**Bioaccumulation**

| Chemical name | Log Pow |
|---------------|---------|
| Ethyl alcohol | -0.32   |

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Should not be released into the environment. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**California Hazardous Waste Codes** 311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical name            | California Hazardous Waste |
|--------------------------|----------------------------|
| Ethyl alcohol<br>64-17-5 | Toxic<br>Ignitable         |

**14. TRANSPORT INFORMATION**

**DOT**  
**Proper Shipping Name** NOT REGULATED  
**Hazard Class** NON REGULATED  
 N/A

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA**  
**Proper Shipping Name** Not regulated  
**Hazard Class** NON REGULATED  
 N/A

**IMDG/IMO**  
**Hazard Class** Not regulated  
 N/A

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated





## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**Export Notification requirements** Not applicable

#### International Inventories

|                      |   |
|----------------------|---|
| <b>TSCA</b>          | Contact supplier for inventory compliance status. |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AICS</b>          | Contact supplier for inventory compliance status. |

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | No  |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### US State Regulations

##### California Proposition 65

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only a considered a Proposition 65 developmental

hazard when it is ingested as an alcoholic beverage.

| Chemical name           | California Proposition 65   |
|-------------------------|-----------------------------|
| Ethyl alcohol - 64-17-5 | Carcinogen<br>Developmental |

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

| Chemical name            | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|--------------------------|------------|---------------|--------------|--------------|----------|
| Ethyl alcohol<br>64-17-5 | X          | X             | X            |              | X        |

**16. OTHER INFORMATION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 1 | Flammability 2 | Instability 0      | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 1 | Flammability 2 | Physical hazards 0 | Personal Protection X              |

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**Disclaimer**

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**End of Safety Data Sheet**

