

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product identifier**

**Product Name:** Multi-Purpose Cleaner  
**Product Codes(s):** Pine-Cleaner  
**Synonyms:** Aqueous alkaline mixture  
**REACH Registration Number:** No data available

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

**General Use:** General purpose cleaner  
**Uses advised against:** No uses advised against

**1.3 Details of the supplier and of the safety data sheet**

**Manufactured By**  
 Ag ProVision, LLC  
 277 Faison McGowan Road  
 Kenansville, NC 28349 USA  
 +1-910-296-0302  
 customercare@agprovision.com

**1.4 Emergency telephone number:**

In the continental USA call CHEMTREC: +1-800-424-9300 (24 hours)  
 Outside the continental USA call CHEMTREC: +1-703-527-3887 (24 hours)

### SECTION 2 - HAZARDS IDENTIFICATION

**2.1 Classification of substance or mixture**

**Product definition:** Mixture  
**Classification (Regulation (EC) No 1272/2008)**  
 Skin irritation - Category 2 [H315]  
 Skin sensitization - Category 1 [H317]  
 Eye irritation - Category 2A [H319]

**2.2 Label Elements**
**Labeling (Regulation (EC) No 1272/2008)**
**Hazard Symbol(s):**


GHS07

**Signal Word:**

Warning

**Hazard Statement(s):**

H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye irritation

**Precautionary Statements:**  
 [Prevention]

P261 - Avoid breathing mists, vapor and spray.  
 P264 - Wash hands and other skin areas exposed to material thoroughly after handling.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves, protective clothing and eye protection.

[Response]

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P333 + P313 - If skin irritation or rash occurs: Get medical attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 - Specific treatment: Seek immediate medical advice; refer to Section 4 of this SDS.  
 P337 + P313 - If eye irritation persists: Get medical attention.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Not applicable

**3.2 Mixtures**
**Chemical characterization (preparation)**

% by Weight	Ingredient	CAS Number	EC Number	Annex Number	EC Classification
5 - 10	Polyethylene Glycol Octylphenyl Ether	9036-19-5	-----	-----	-----
4 - 9	Dipropylene Glycol Monomethyl Ether	34590-94-8	252-104-2	-----	-----
1 - 5	Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	-----	Xi, R36/38
1 - 5	Silicic Acid, Disodium Salt	1344-09-8	215-687-4	-----	-----
0.1 - 2.0	Sodium Hydroxide	1310-73-2	215-185-5	011002-00-6	Xi, R36/38

## Chemical characterization (continued)

% by Weight	Ingredient	CAS Number	EC Number	Annex Number	EC Classification
0.1 - 1.0	Pine Oil	8003-09-3	-----	-----	-----

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation:** If product mist or spray causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight fitting clothing such as a collar, tie, belt or waistband. Seek medical attention if cough or other symptoms appear or persist.

**Eyes:** Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing. Seek immediate medical attention, preferably from an ophthalmologist.

**Skin:** Flush skin with large amounts of water while removing contaminated clothing and continue rinsing for at least 15 minutes. Wash contaminated clothing and shoes thoroughly before reuse. If skin irritation occurs or persists, seek medical attention.

**Ingestion:** Rinse mouth with water. Remove dentures if any. If swallowed, give 1 - 2 cupfuls of water or milk if victim is conscious, alert and able to swallow. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately. To prevent aspiration of swallowed product, lay victim on side with the head lower than the waist.

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

#### Potential health symptoms and effects

**Eyes:** Causes serious eye irritation with corneal injury which may result in permanent impairment of vision. Symptoms include redness, swelling, pain, tearing, blurred vision and possible burns. The degree of injury depends on the product concentration and the duration of eye contact.

**Skin:** Causes skin irritation. Symptoms may include localized redness, itching, swelling, discomfort and possible rash. May cause skin sensitization. The degree of injury depends of the concentration of the solution and the duration of contact with skin.

**Inhalation:** Mist or spray may cause irritation of the nose, throat and respiratory tract. Symptoms may include sore throat, cough, headache and shortness of breath. Inhalation of mist may cause allergic reaction.

**Ingestion:** May cause gastrointestinal irritation with nausea, abdominal pain, vomiting and diarrhea. Repeated ingestion may be harmful.

**Chronic:** Pre-existing disorders of the skin and respiratory system may be aggravated by exposure to this product. Prolonged and repeated skin exposure may result in drying or defatting of skin and dermatitis. May cause sensitization with an allergic reaction upon re-exposure to product.

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

**Advice to Doctor and Hospital Personnel:** Treat symptomatically and supportively.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 Extinguishable media

**Suitable methods of extinction:** Use extinguishing media suitable for surrounding fire.

**Unsuitable methods of extinction:** None known

### 5.2 Special hazards arising from the substance or mixture

Solutions containing glycol ethers such as dipropylene glycol monomethyl ether in water can form flammable vapors with air if heated sufficiently. Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

**Explosion hazards:** None known

### 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Evacuate non-essential personnel. Wear appropriate protective equipment and clothing designated in Section 8. Remove all sources of ignition. Ventilate the area.

### 6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

### 6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. Cover with a large quantity of inert absorbent. Do not use combustible material such as saw dust. Shovel or sweep up product and place into an approved container for proper disposal. Rinse contaminated area with water. Dispose of via a licensed waste disposal contractor. Contaminated adsorbent material may pose the same hazard as spilled product.

### 6.4 Reference to other sections

For indications about waste treatment, see Section 13.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use. Do not get in eyes or on skin or clothing.

#### Advice on protection against fire and explosion

No special precautions against fire and explosion are required.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10.5), food and drink. Keep from freezing. Transfer only to approved containers having correct labeling. Keep container tightly closed when not in use. Protect container against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Containers of this material may be hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

## 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

# SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 Control parameters

CAS Number	Ingredient	OSHA PEL - TWA	ACGIH TLV	NIOSH
1310-73-2	Sodium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> Ceiling	2 mg/m <sup>3</sup> Ceiling
34590-94-8	Dipropylene Glycol Monomethyl Ether	100 ppm; 600 mg/m <sup>3</sup> ; [skin]	100 ppm TWA; 150 ppm STEL; [skin]	100 ppm; 600 mg/m <sup>3</sup> TWA; 150 ppm STEL; [skin]

## 8.2 Exposure controls

**Engineering Measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be confirmed with the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

**Eye/face protection:** Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

**Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Other protective equipment:** Protective clothing. Protective boots, if the situation requires.

**Respiratory Protection:** None required with normal use. Always use an approved respirator when vapor/aerosols are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls:** Do not empty into drains.

# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance	Hazy, milky liquid
Odor	Pine
Odor Threshold	No data available
Molecular Weight	Not applicable
Chemical Formula	Not applicable
pH	12.9 - 13.1
Freezing/Melting Point, Range	<0 °C (<32 °F)
Initial Boiling Point	100 °C (212 °F)
Evaporation Rate	<1 (Water =1)
Flammability (solid, gas)	Not applicable
Flash Point	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Lower Explosive Limit (LEL)	Not determined
Upper Explosive Limit (UEL)	Not determined
Vapor Pressure	Not determined
Vapor Density	1.14 (Air = 1)
Specific Gravity	1.051
Viscosity	<5 cps
Solubility in Water	Complete
Partition Coefficient: n-octanol/water	Not determined
Volatiles by Volume	84 - 85%

## 9.2 Other data

No data available

# SECTION 10 - STABILITY AND REACTIVITY

## 10.1 Reactivity

No special reactivity has been reported.

## 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

None known

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Extreme temperatures; incompatible materials

### 10.5 Incompatible materials

Strong oxidizing agents, strong acids

### 10.6 Hazardous decomposition products

Thermal decomposition products include oxides of carbon, oxides of sodium, oxides of potassium, undefined organic compounds.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Oral Toxicity

This product is expected to have low acute oral toxicity.

#### Acute inhalation toxicity

Product is expected to have low acute inhalation toxicity.

#### Acute dermal toxicity

Product is expected to have low acute dermal toxicity.

#### Skin corrosion/irritation

Causes skin irritation.

#### Eye corrosion/irritation

Causes serious eye irritation and possible eye damage.

#### Sensitization

May cause allergic skin reaction

#### Genotoxicity in vitro

No data available.

#### Mutagenicity

No data available

#### Specific organ toxicity - single exposure

No data available

#### Specific organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

### 11.2 Further information

No substance in this product is not listed as a carcinogen by IARC, ACGIH, NTP or OSHA. No data is available regarding the mutagenicity or teratogenicity of this product, nor is there available data that indicates that it causes adverse developmental or fertility effects in humans.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Toxicity

Large discharges of this product to the environment may increase the pH of aquatic systems to alkalinity levels which may be harmful to aquatic life and soil micro-organisms. Product contains substances that may cause long lasting harmful effects to aquatic life.

### 12.2 Persistence and degradability

Organic materials in this product are expected to biodegrade over time. Inorganic substances are not biodegradable. Methods for the determination of biodegradability are not applicable to inorganic substances.

### 12.3 Bioaccumulation potential

Product as a whole has not been tested; however, product contains substances that have the potential to bioaccumulate.

### 12.4 Mobility

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

#### Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material or runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste:** The classification of this product may meet the criteria for a hazardous waste.

## SECTION 14 - TRANSPORT INFORMATION

**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**This material is not regulated for transport.**

## SECTION 15 - REGULATORY INFORMATION

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

#### U. S. Federal Regulations

**OSHA Hazard Communication Standard:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

**OSHA Process Safety Management Standard:** The chemicals in this product are not regulated under OSHA PSM Standard 29 CFR 1910.119.

**EPA Risk Management Planning Standard:** The chemicals in this product are not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

**EPA Federal Insecticide, Fungicide and Rodenticide Act:** This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

**TSCA Status:** All components of this product for which regulatory data was available are listed on the Toxic Substance Control Act (TSCA) Inventory. This product is not subject to TSCA 12(b) Export Notification.

#### **Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** Acute Health Hazard

**SARA 313 Information:** None of the components of this product are subject to the reporting levels established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance:** No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:** No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains the following CERCLA reportable substances:  
Sodium Hydroxide (CAS #1310-73-2), RQ - 453.6 kg (1,000 lbs)

#### **Clean Air Act (CAA)**

This product does not contain any chemicals listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depleters.

This product does not contain any Class 2 Ozone depleters.

#### **Clean Water Act (CWA)**

Sodium Hydroxide (CAS #1310-73-2) is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### U.S. State Regulations

##### **California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

This product contains no chemical(s) known to the State of California to cause cancer or other reproductive harm.

##### **Other U.S. State Inventories**

Dipropylene Glycol Monomethyl Ether (CAS #34590-94-8) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: ID, MA, MN, NJ, PA WA.

Sodium Hydroxide (CAS #1310-73-2) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants List(s): CA, DE, ID, MA, MN, NJ, PA, WA, WI.

#### Canada

##### **WHMIS Hazard Symbol and Classification:**



D2B - Toxic material causing other toxic effects - eye irritation/damage; sensitizer

**Canadian Controlled Products Regulations (CPR):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the SDS contains all the information required by the Controlled Products Regulations.

**Canadian Ingredient Disclosure List (IDL):** Dipropylene Glycol Monomethyl Ether and Sodium Hydroxide are listed on the IDL.

**Canadian National Pollutant Release Inventory (NPRI):** None of the substances in this product are listed on the NPRI.

#### European Economic Community

**Labeling (67/548/EEC or 1999/45/EC):** None allocated

**Risk Phrases:** R36/38 - Irritating to eyes and skin.

**Safety Phrases:** S2 - Keep out of the reach of children.

S24/25 - Avoid contact with skin and eyes.

S37/39 - Wear suitable gloves and eye/face protection.

**WGK, Germany (Water danger/protection):** 2

### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

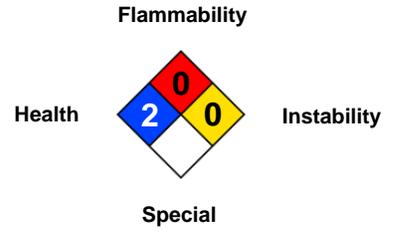
Health	* 2
Flammability	0
Physical Hazard	0
Personal Protection	C

HMIS Hazard Rating Legend

\* = Chronic Health Hazard      2 = MODERATE  
0 = INSIGNIFICANT                3 = HIGH  
1 = SLIGHT                            4 = EXTREME



National Fire Protection Association (NFPA)



Full Text of Risk (R) – Phrases Referenced in Section 3.

R22 - Harmful if swallowed.

The information herein is given in good faith and is believed to be accurate and correct; however, no warranty, expressed or implied, is made. Ag ProVision, LLC assumes no responsibility for personal injury or property damage that may arise from the use of this material since the conditions of handling and use are beyond our control. It is the responsibility of the user to comply with all Federal, State and local laws and regulations regarding use of this product. Vendees or users assume all risks associated with the use of this material.

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